

FIG. 1

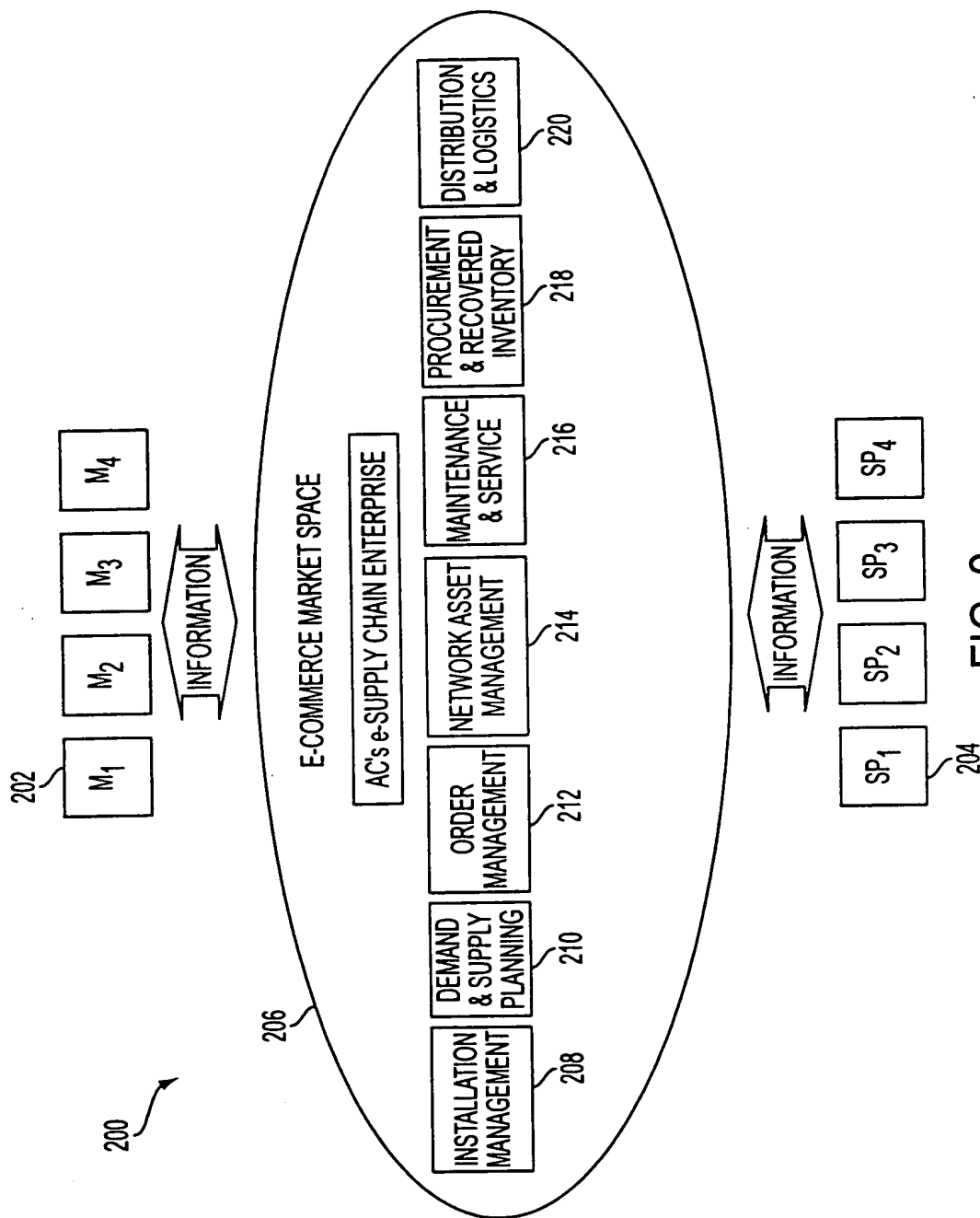


FIG. 2

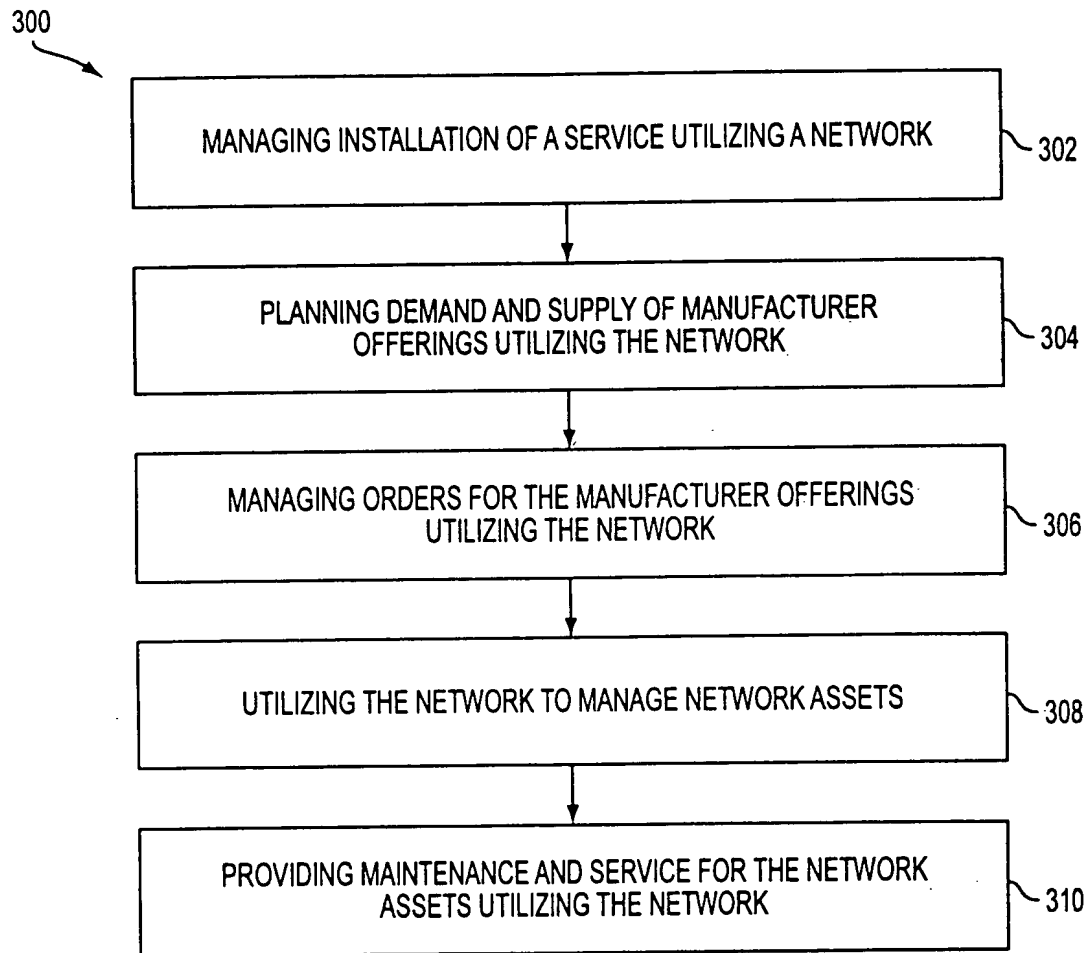


FIG. 3

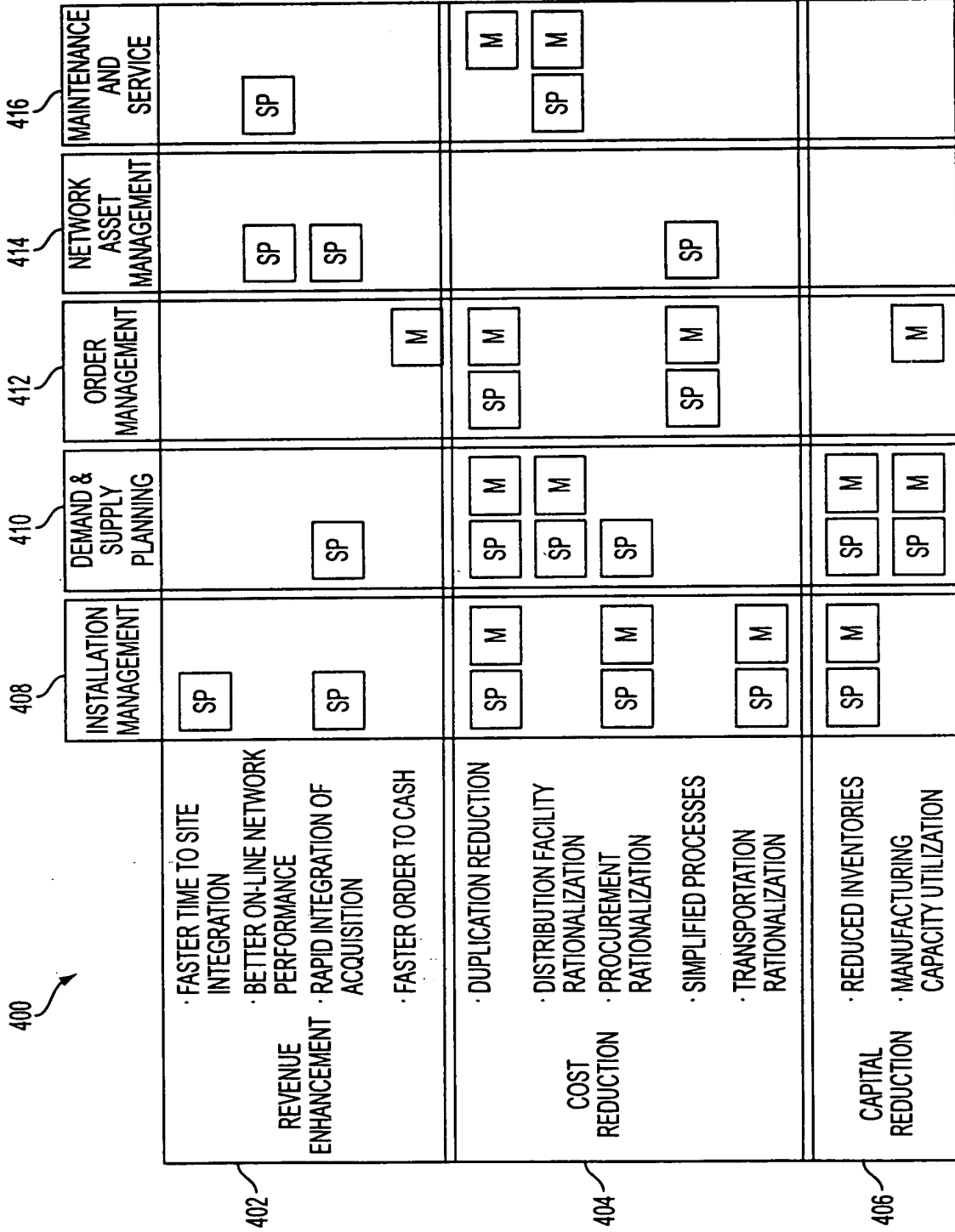


FIG. 4

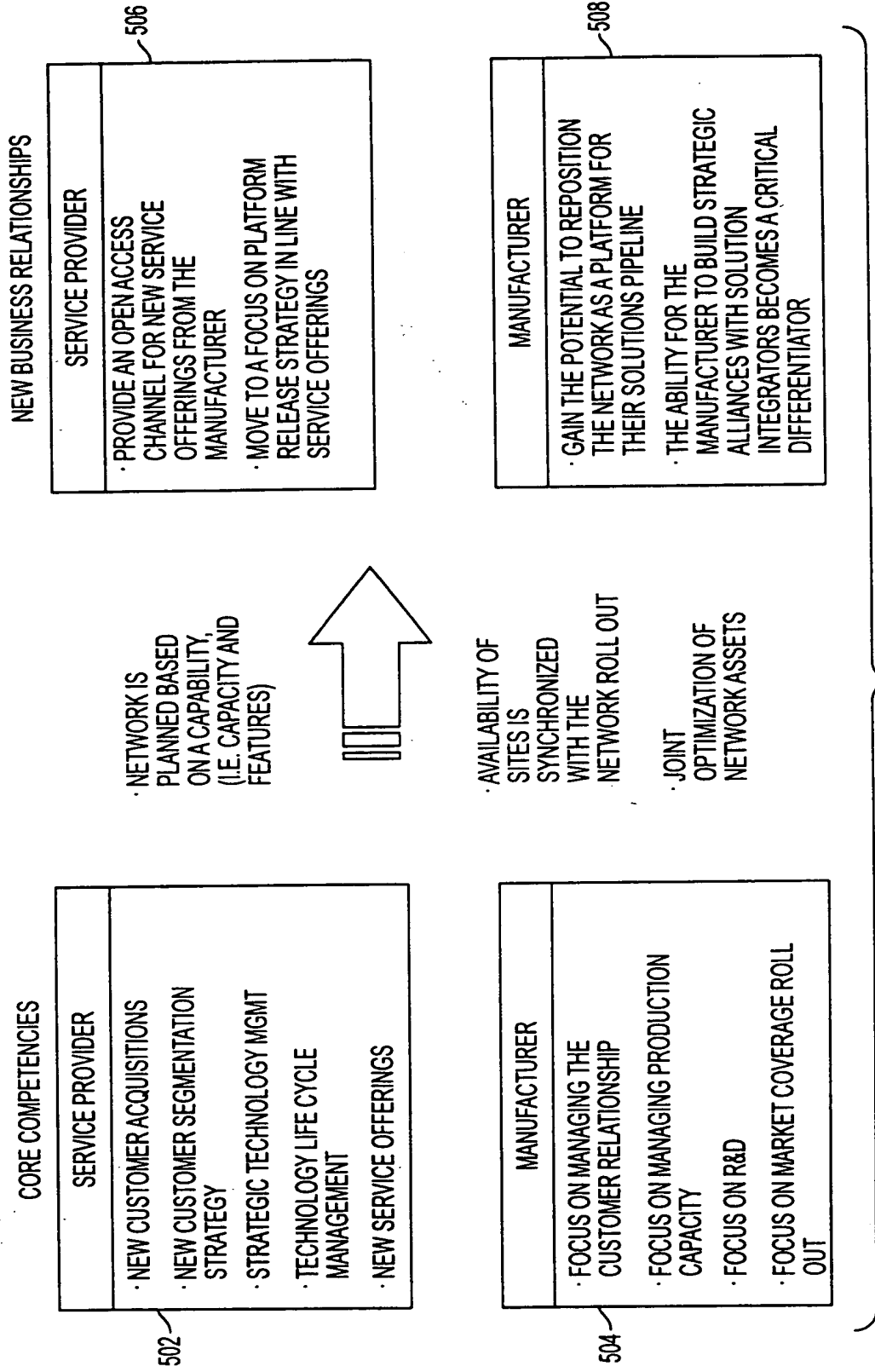


FIG. 5

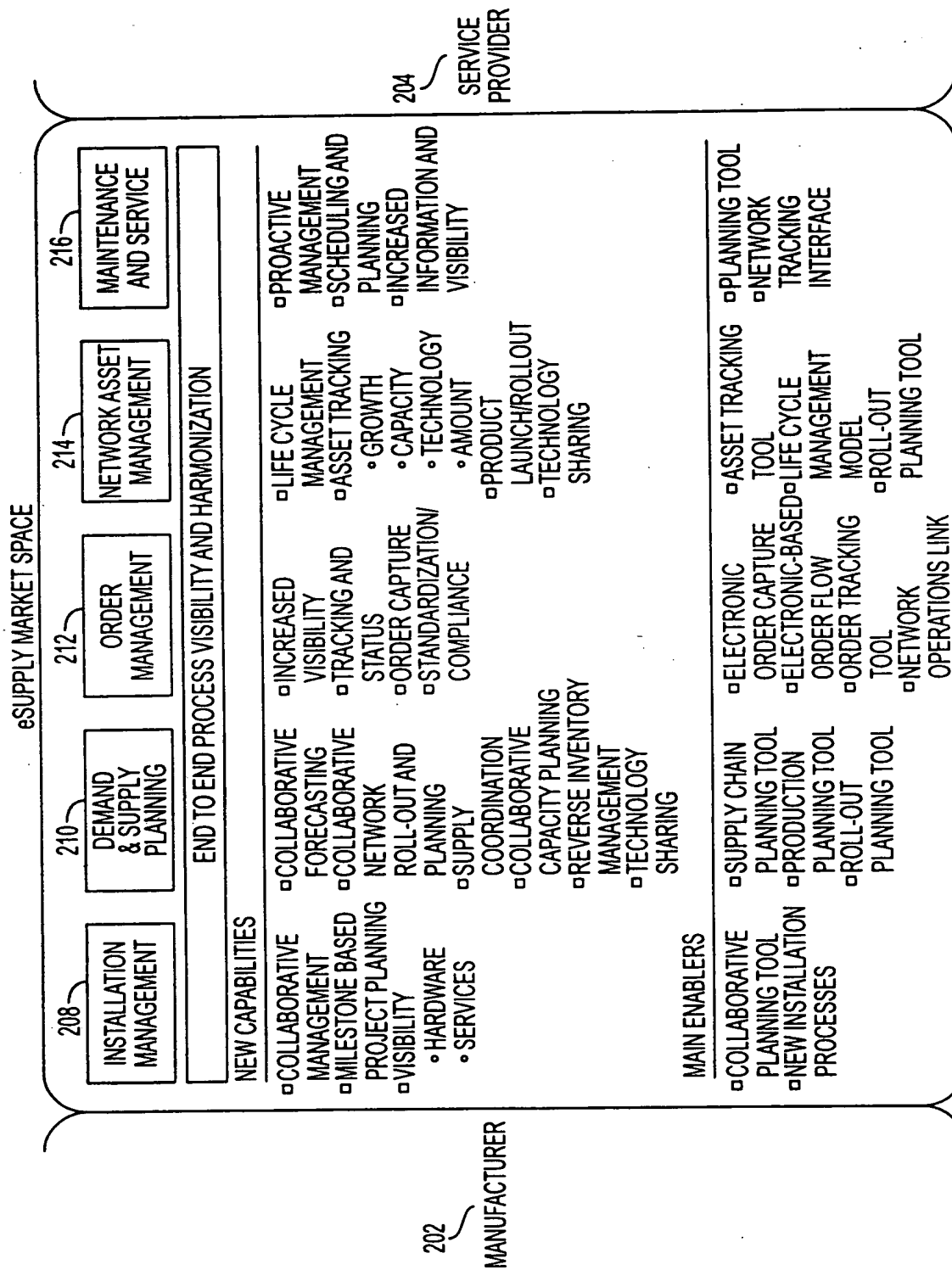


FIG. 6

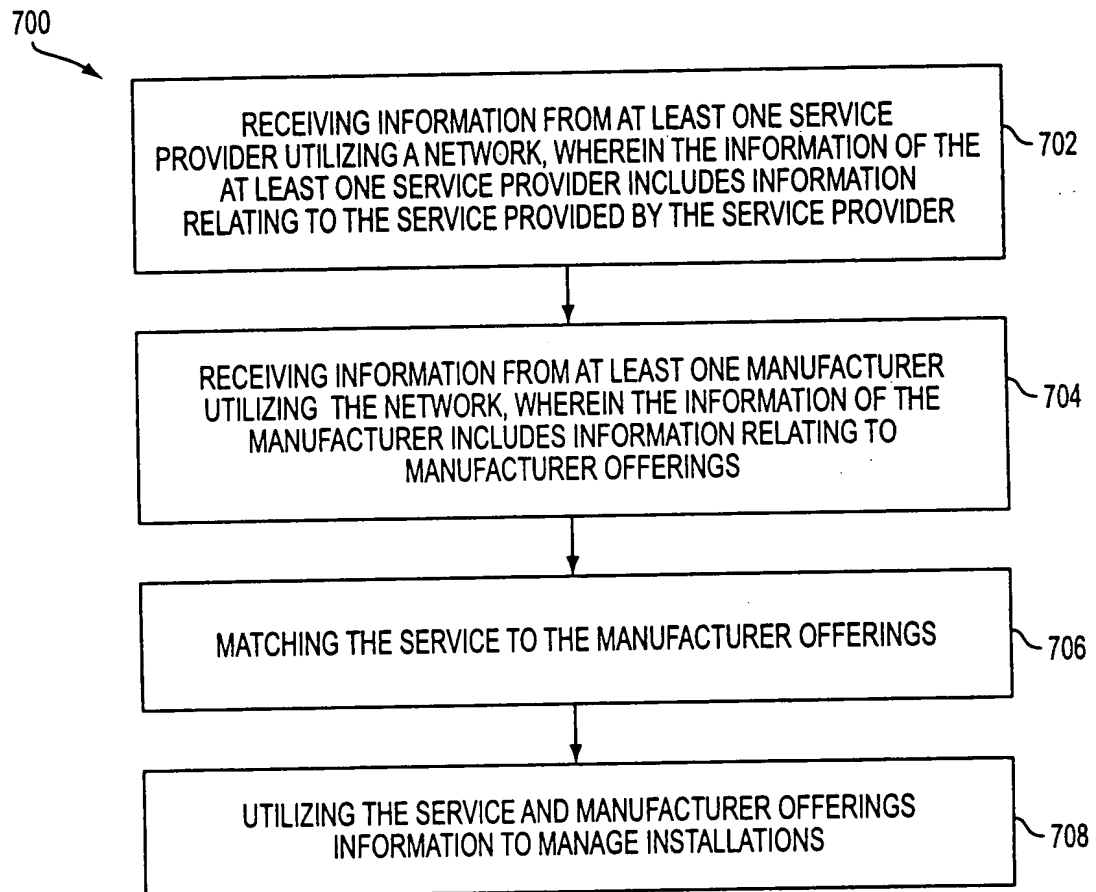


FIG. 7

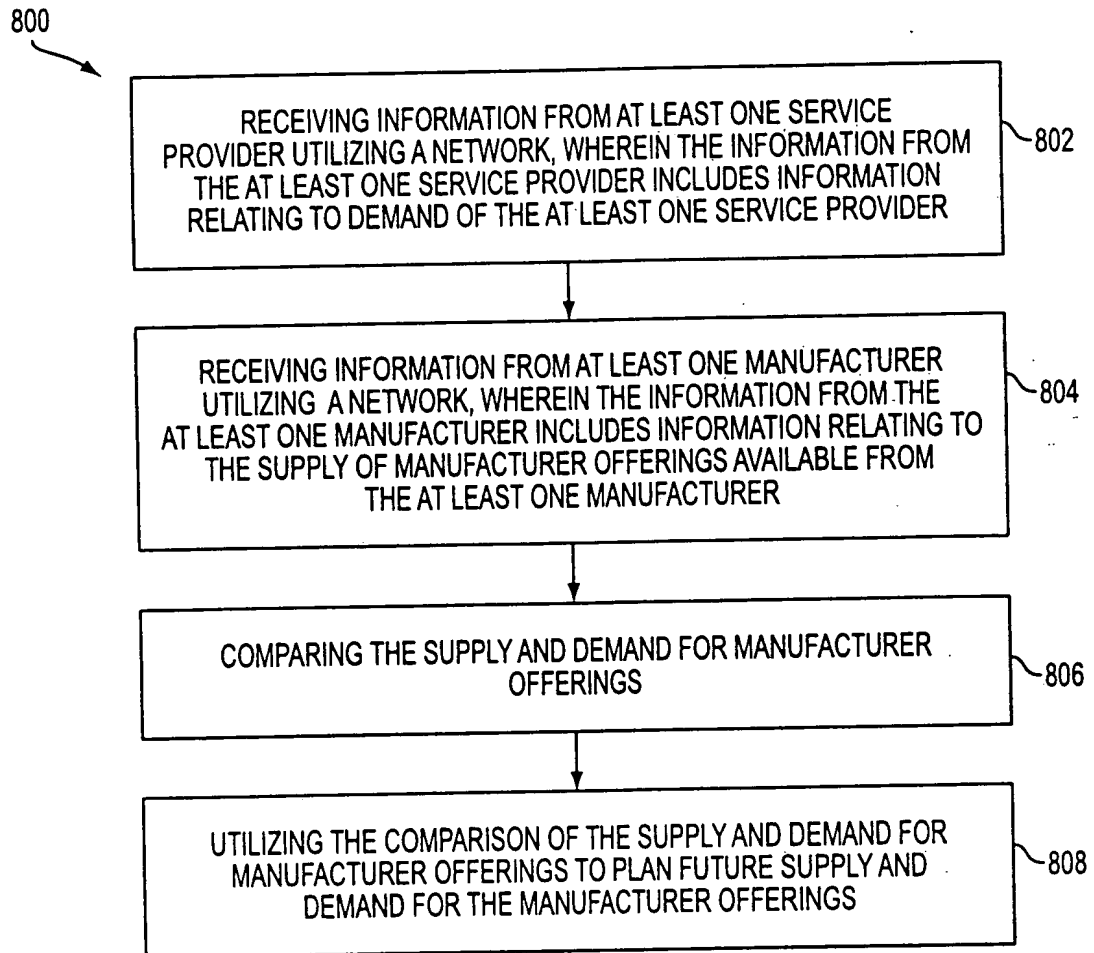


FIG. 8



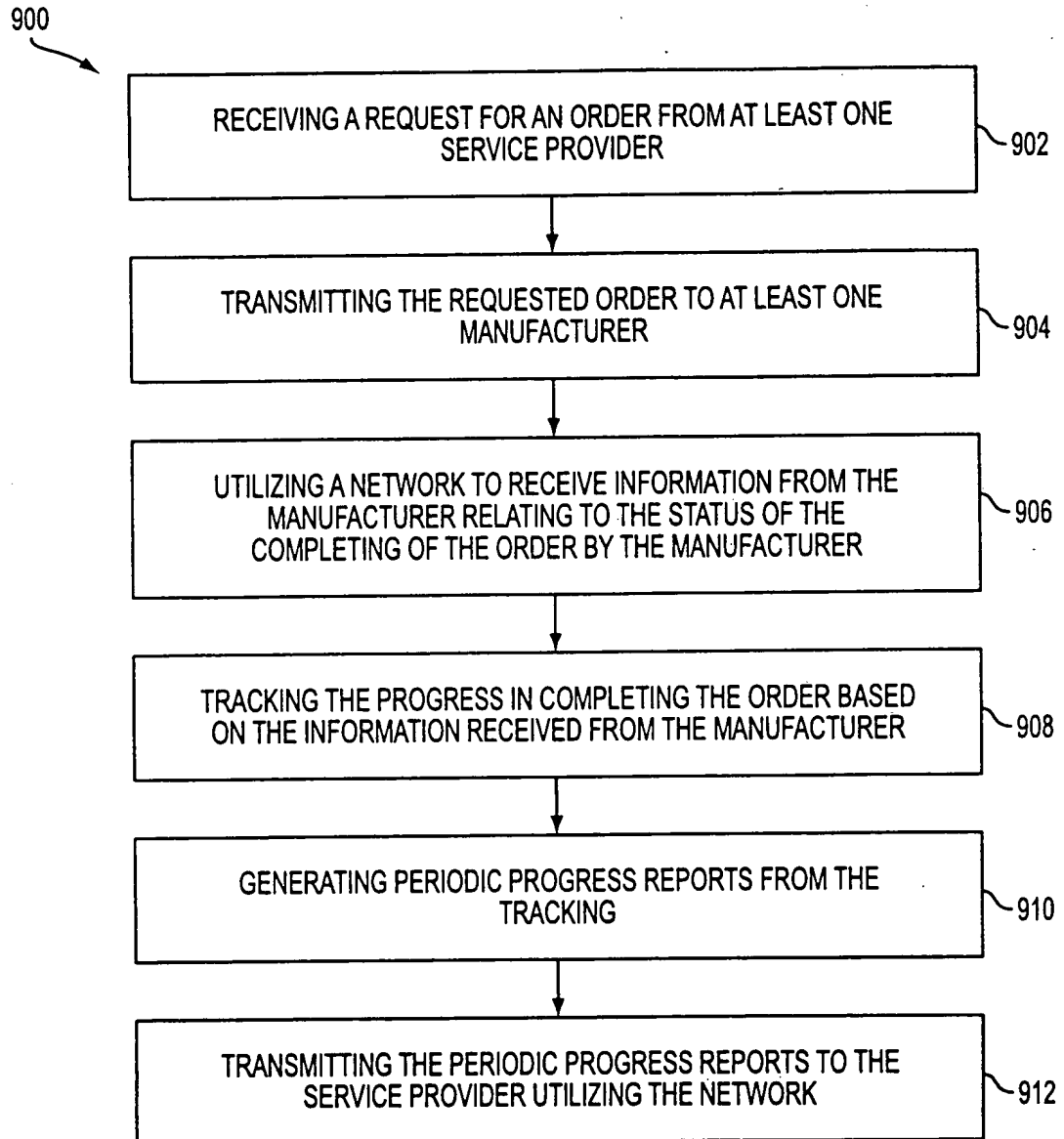
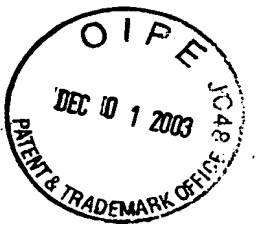


FIG. 9



1000

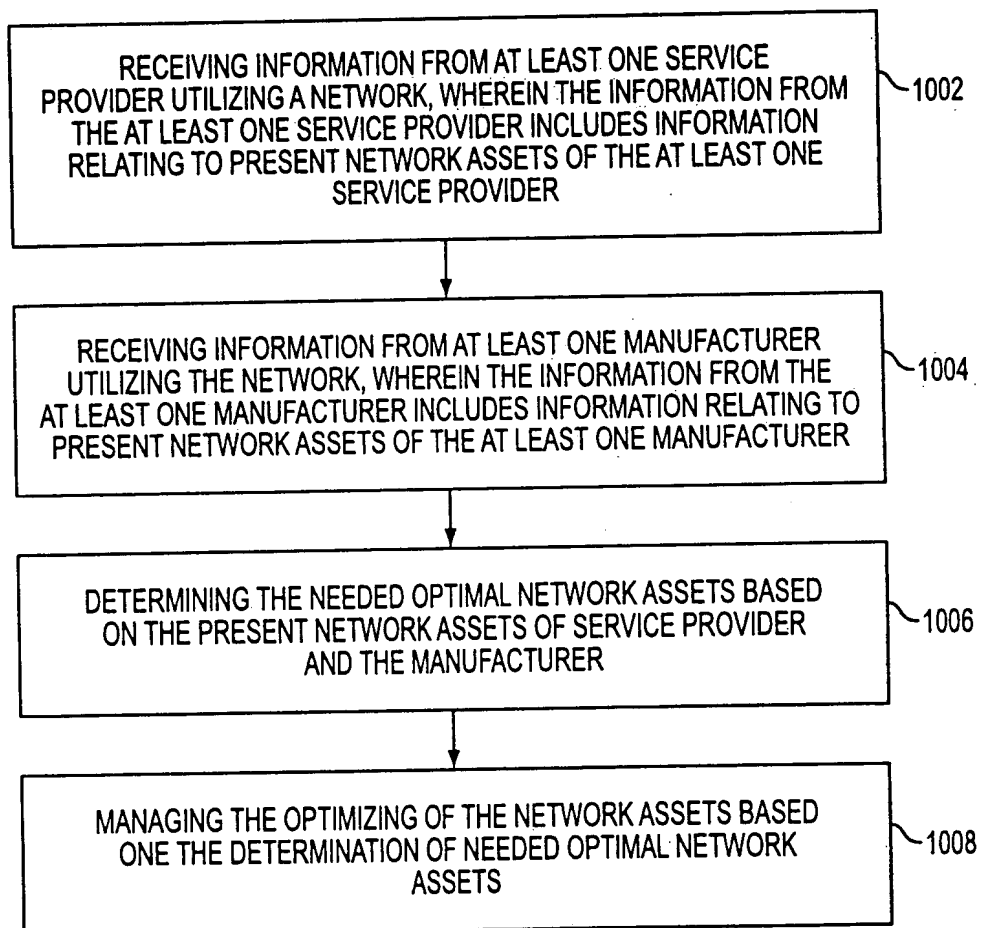


FIG. 10

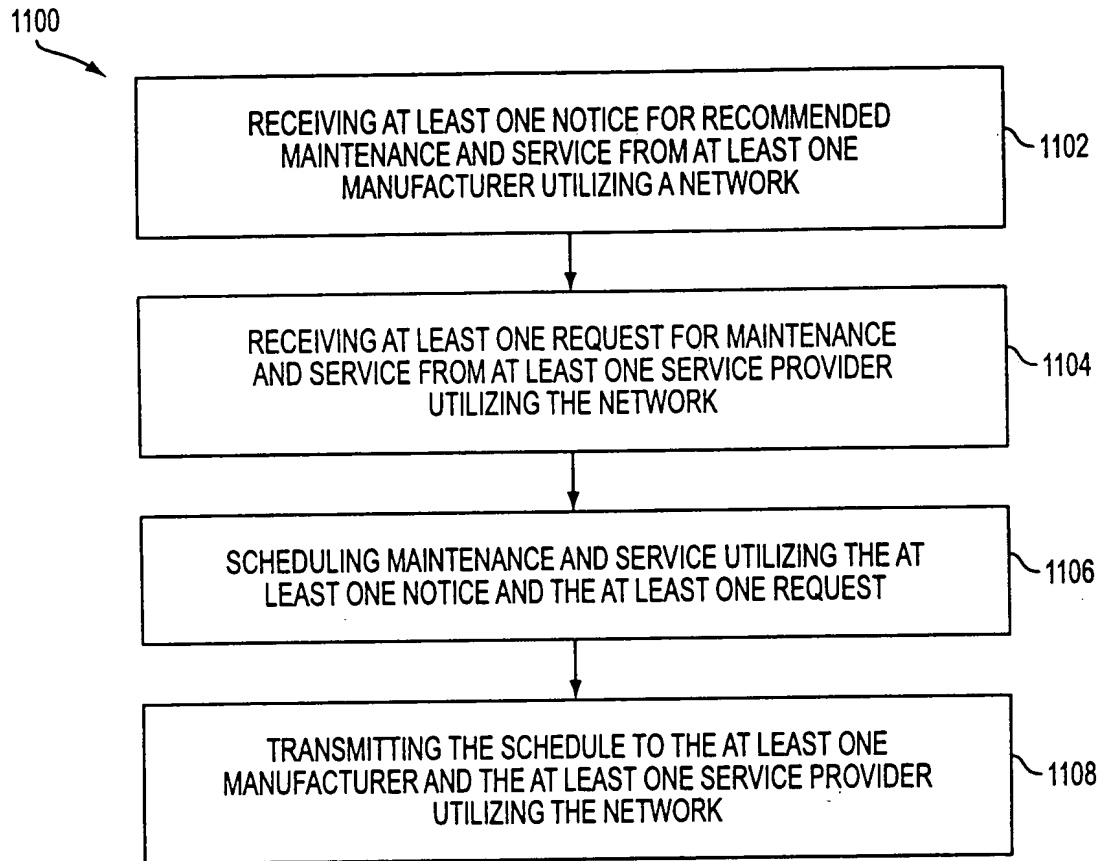


FIG. 11

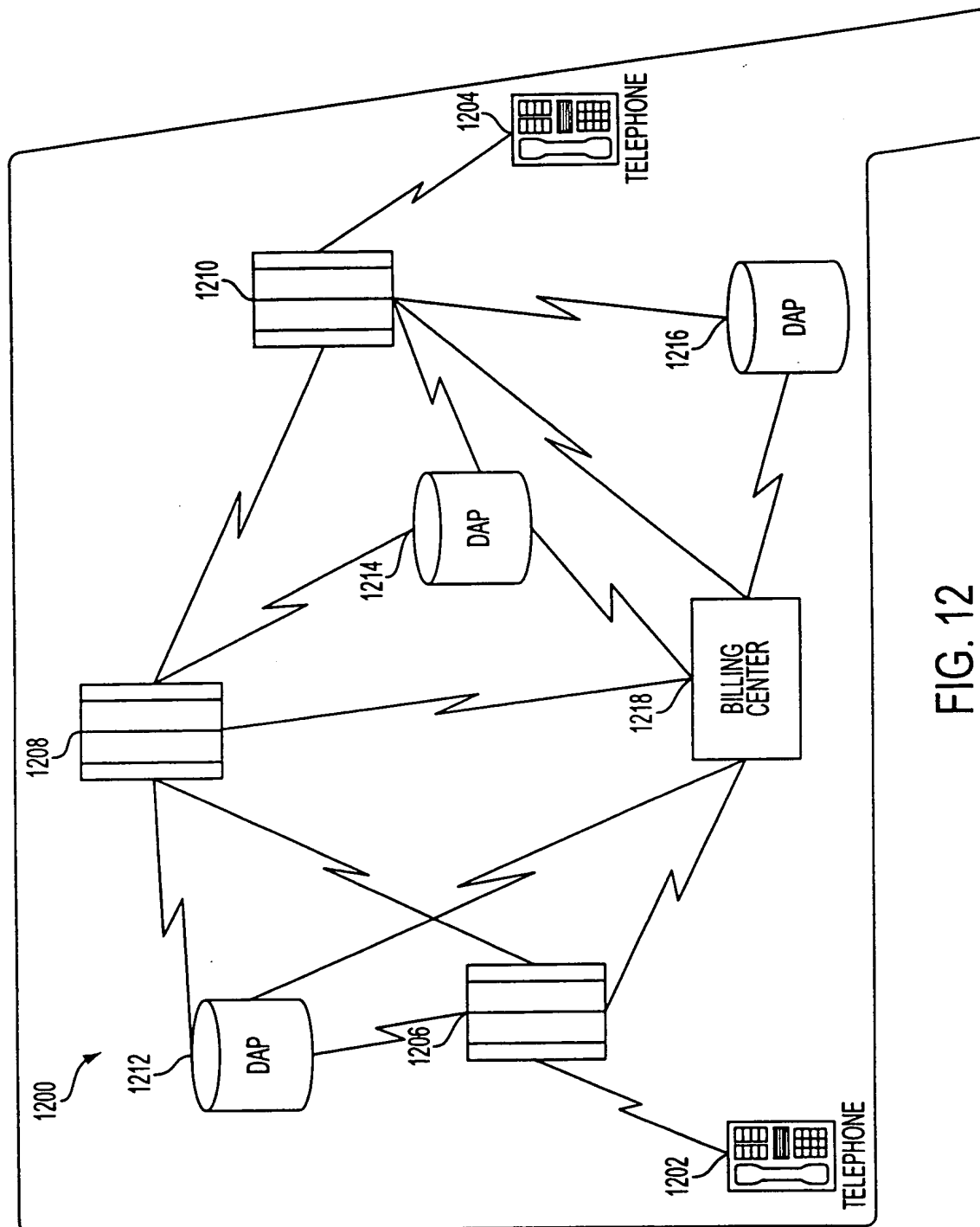


FIG. 12

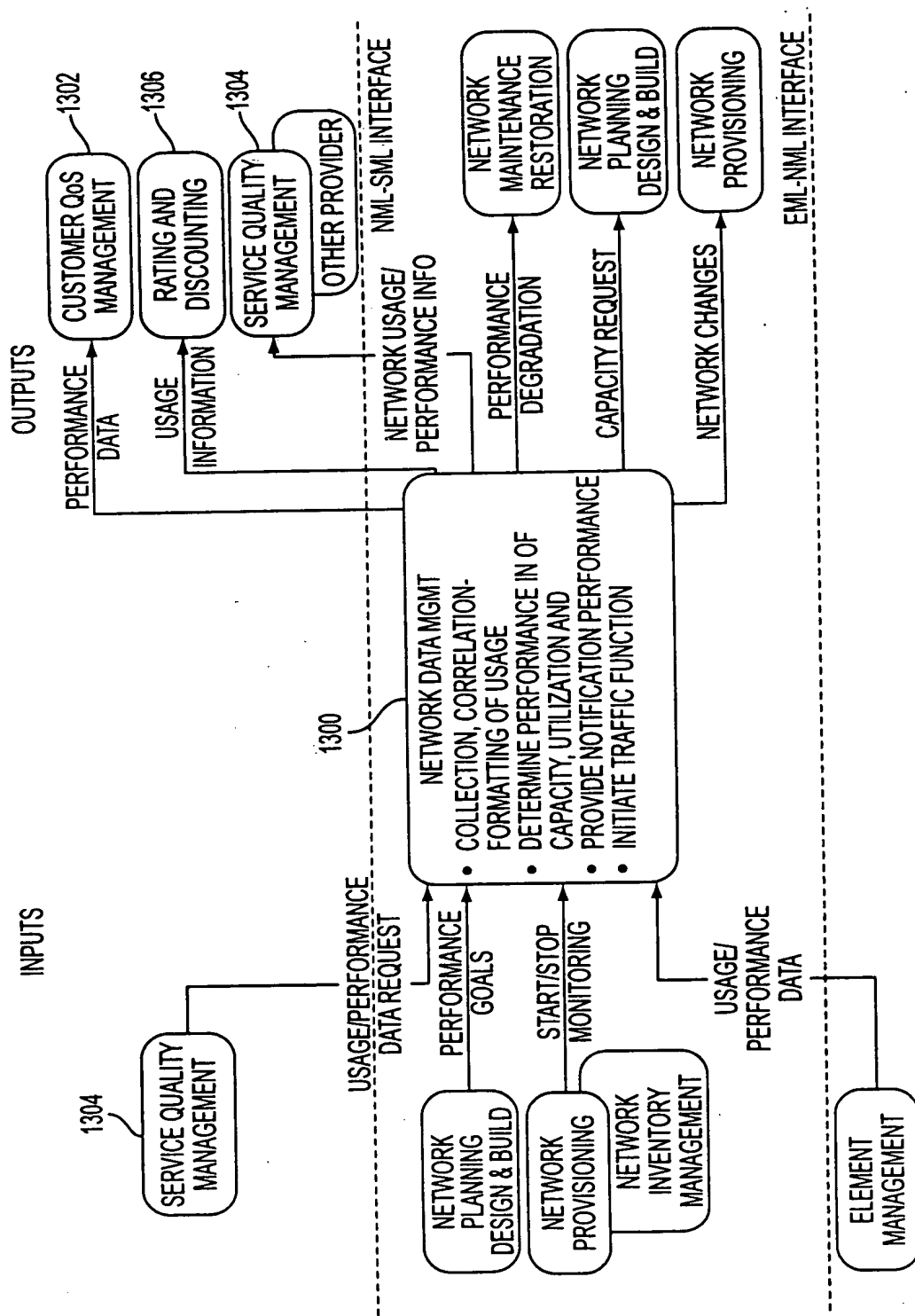


FIG. 13

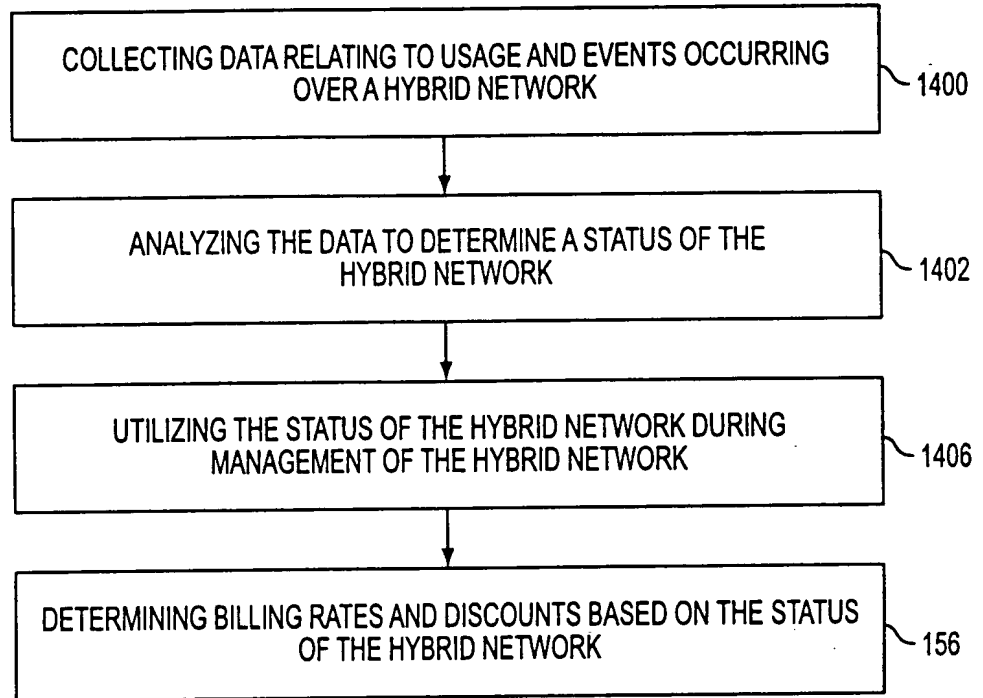


FIG. 14

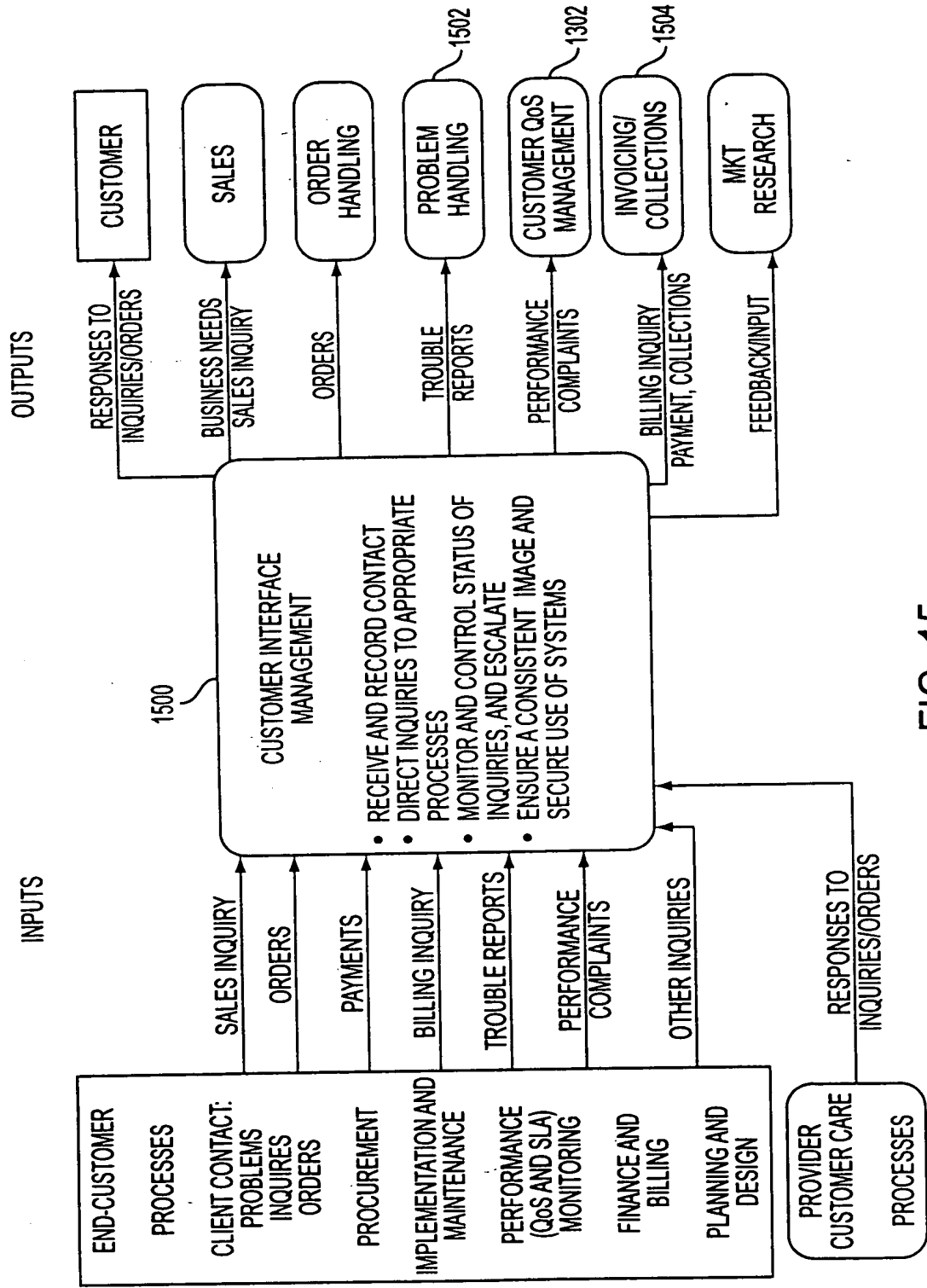


FIG. 15

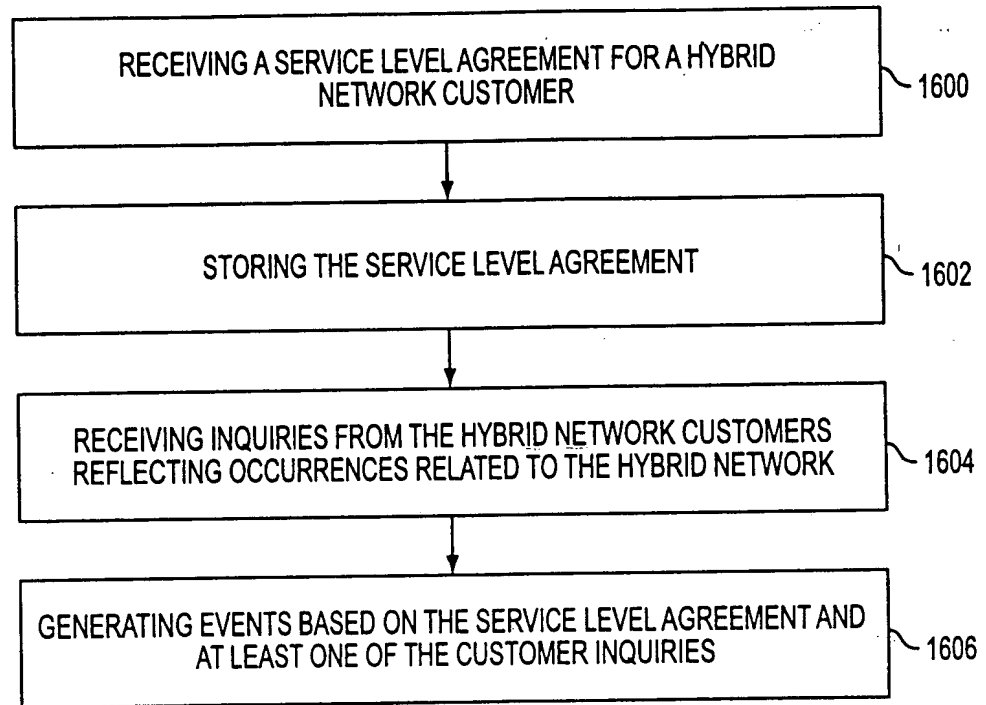


FIG. 16



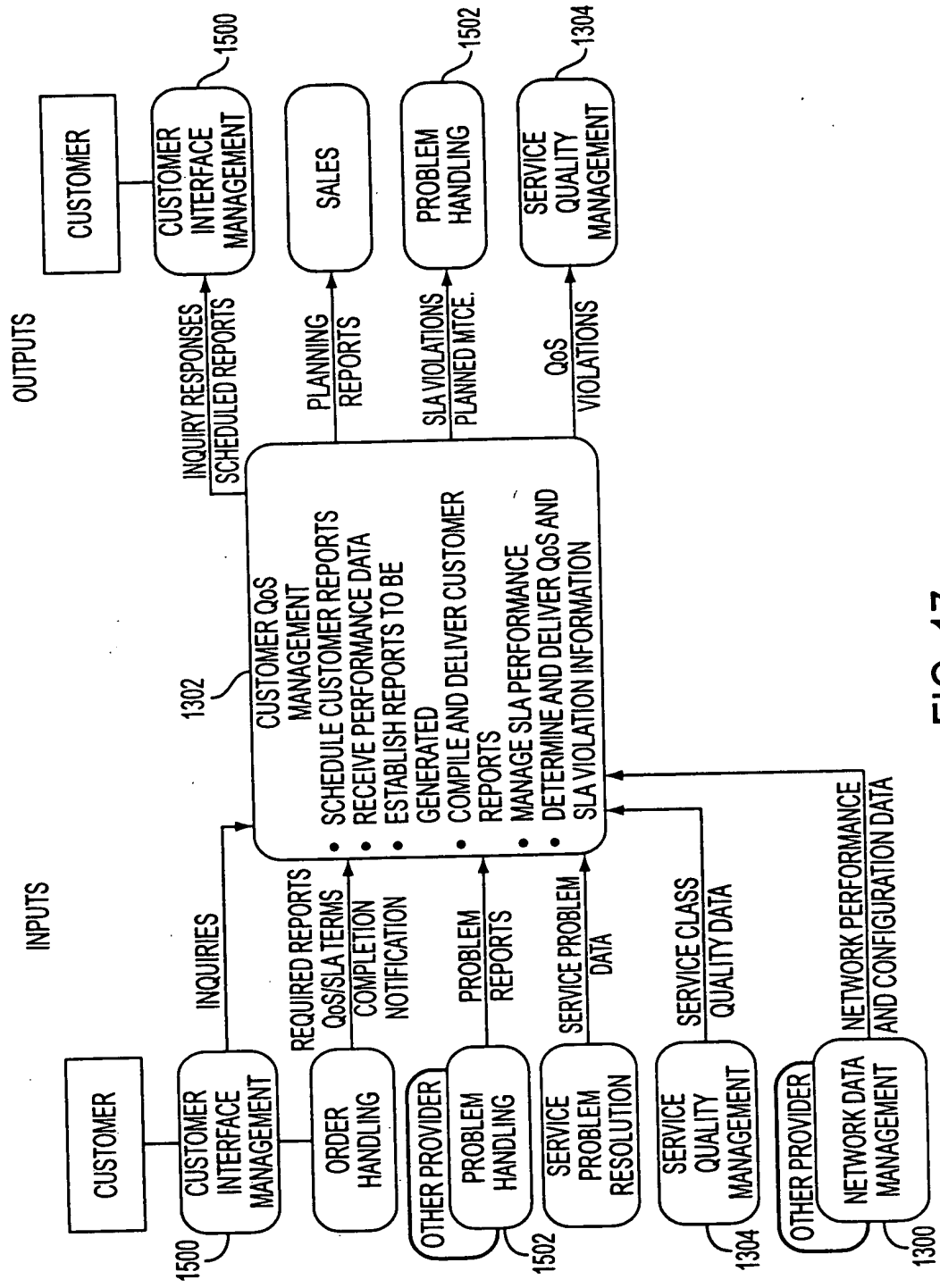


FIG. 17

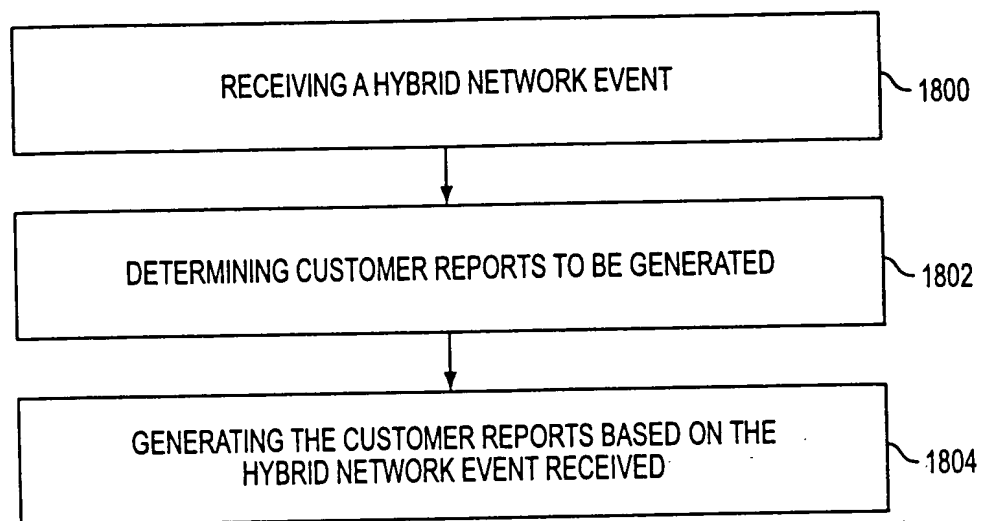


FIG. 18

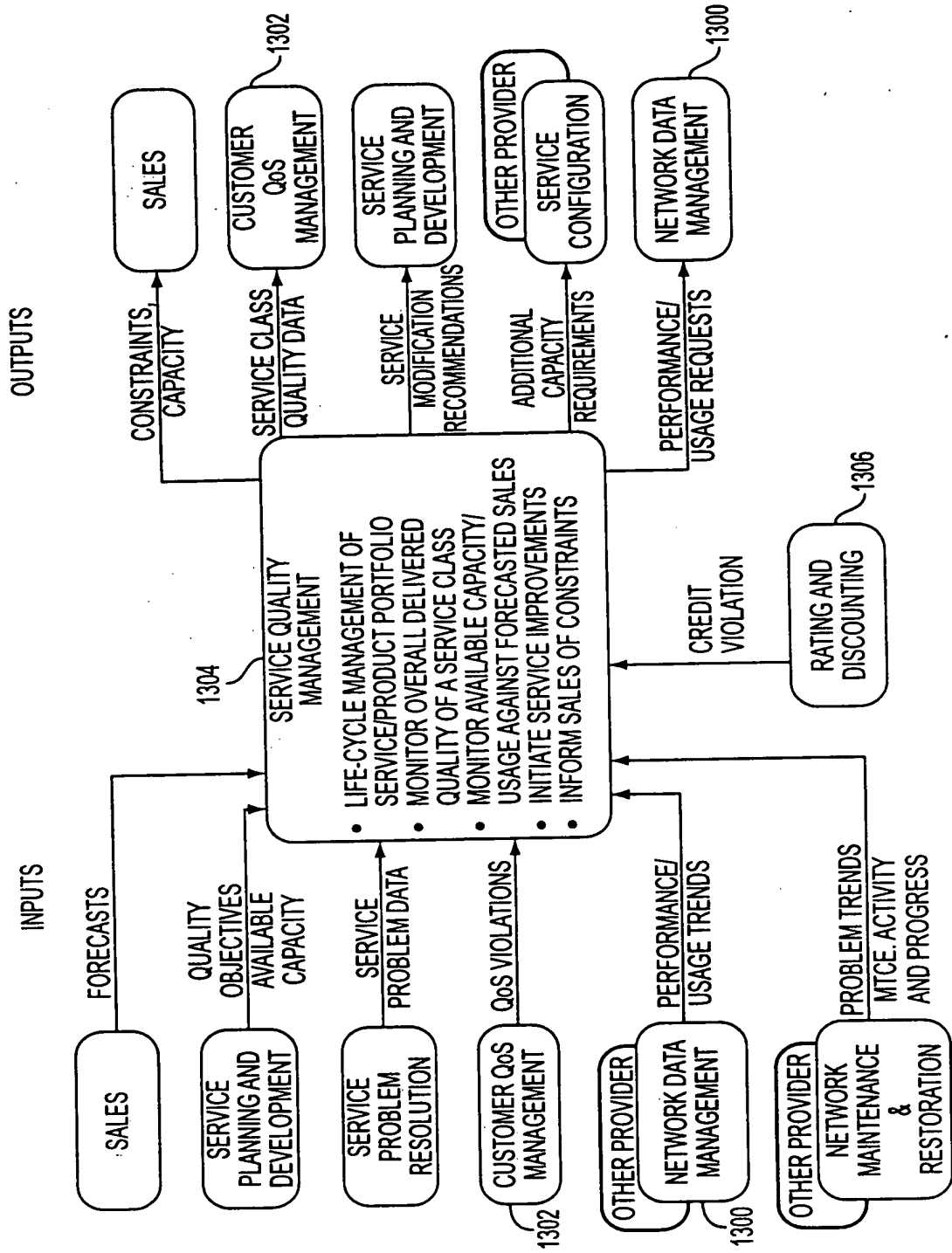


FIG. 19

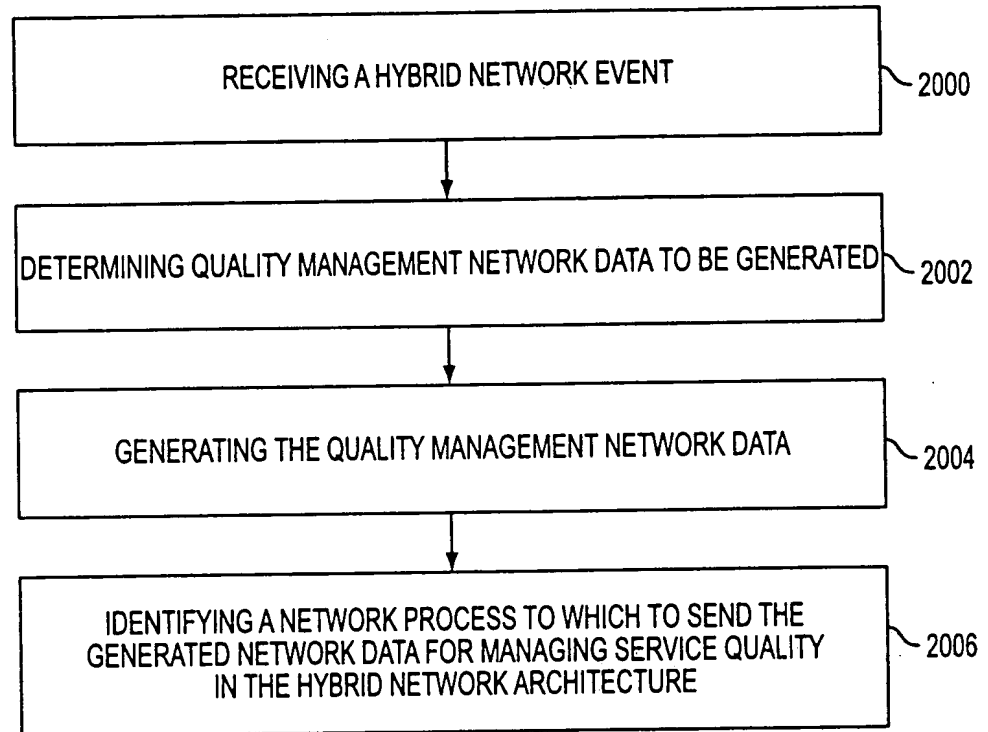
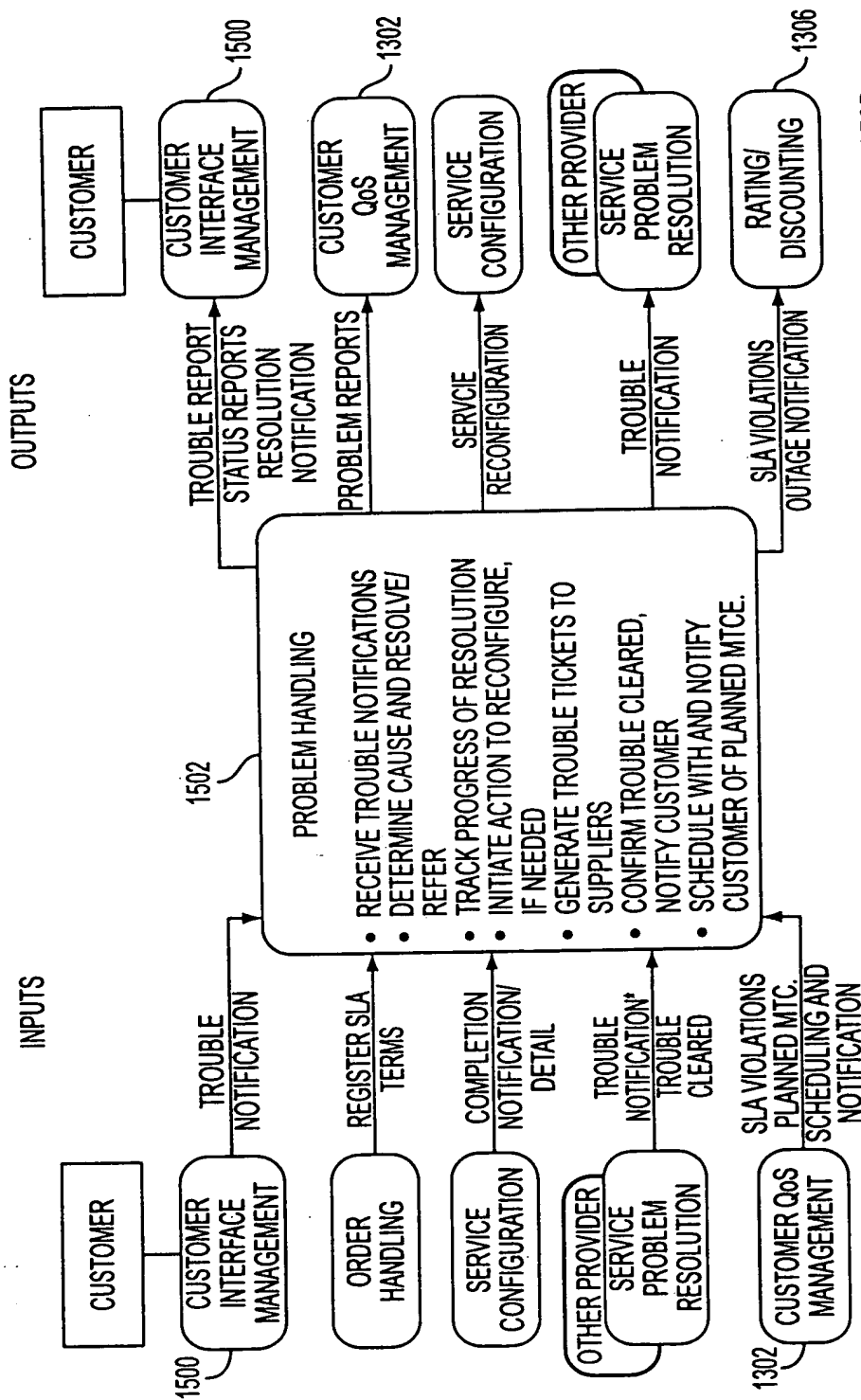


FIG. 20



\* WHEN A TROUBLE IS REPORTED BY THE CUSTOMER, A TROUBLE REPORT MAY BE SENT TO SERVICE PROBLEM RESOLUTION FOR CORRECTION. WHEN A TROUBLE IS IDENTIFIED BY SERVICE PROBLEM RESOLUTION (VIA SERVICE QUALITY MANAGEMENT OR NETWORK MAINTENANCE AND RESTORATION) THEN PROBLEM HANDLING IS NOTIFIED IN ORDER TO INFORM THE CUSTOMER OF THE PROBLEM.

FIG. 21

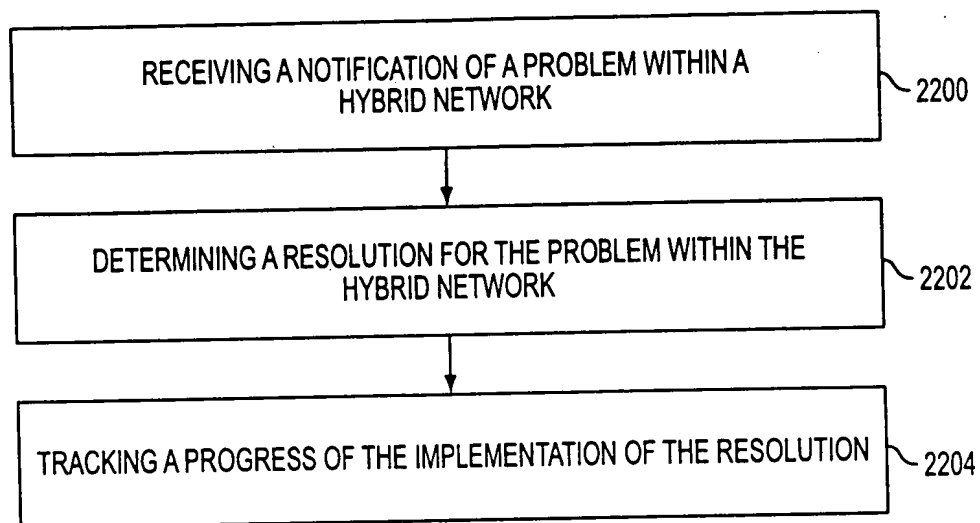


FIG. 22

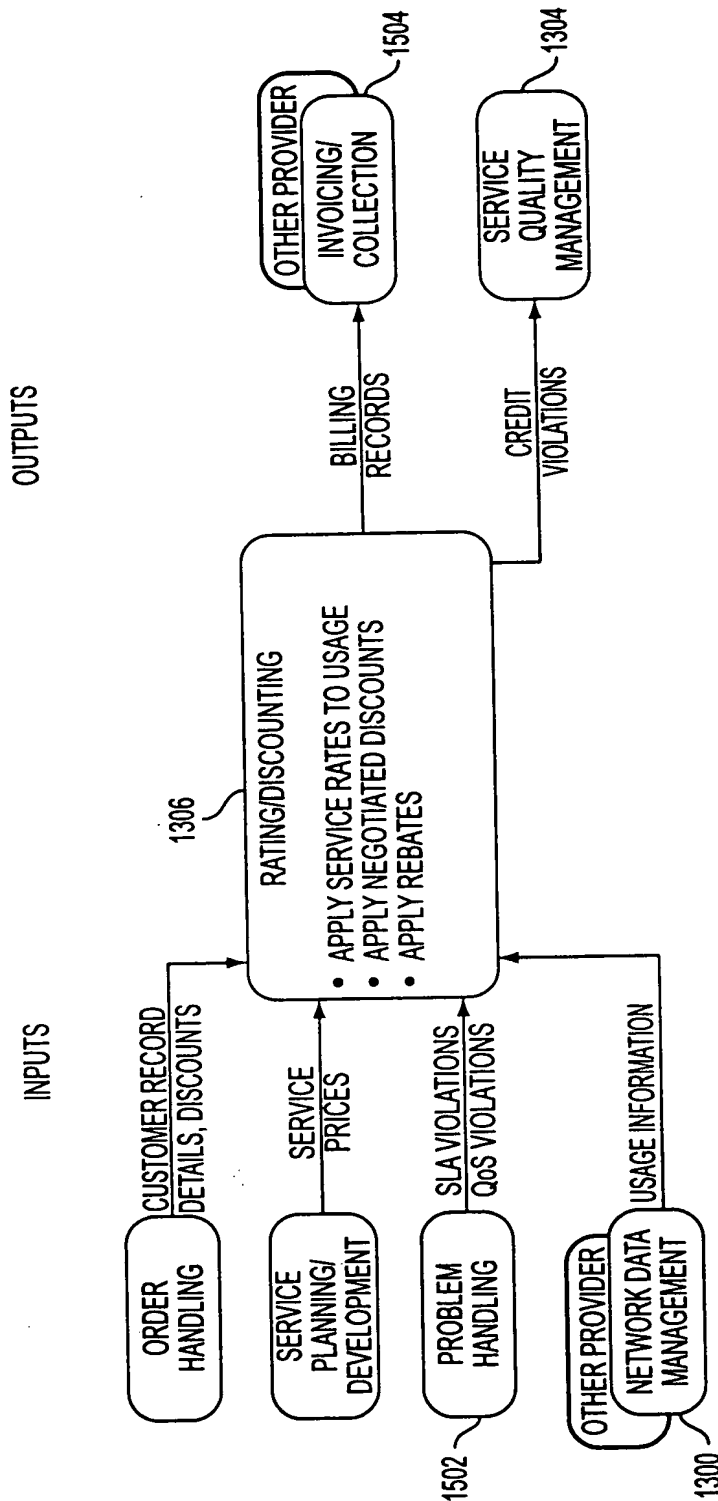


FIG. 23

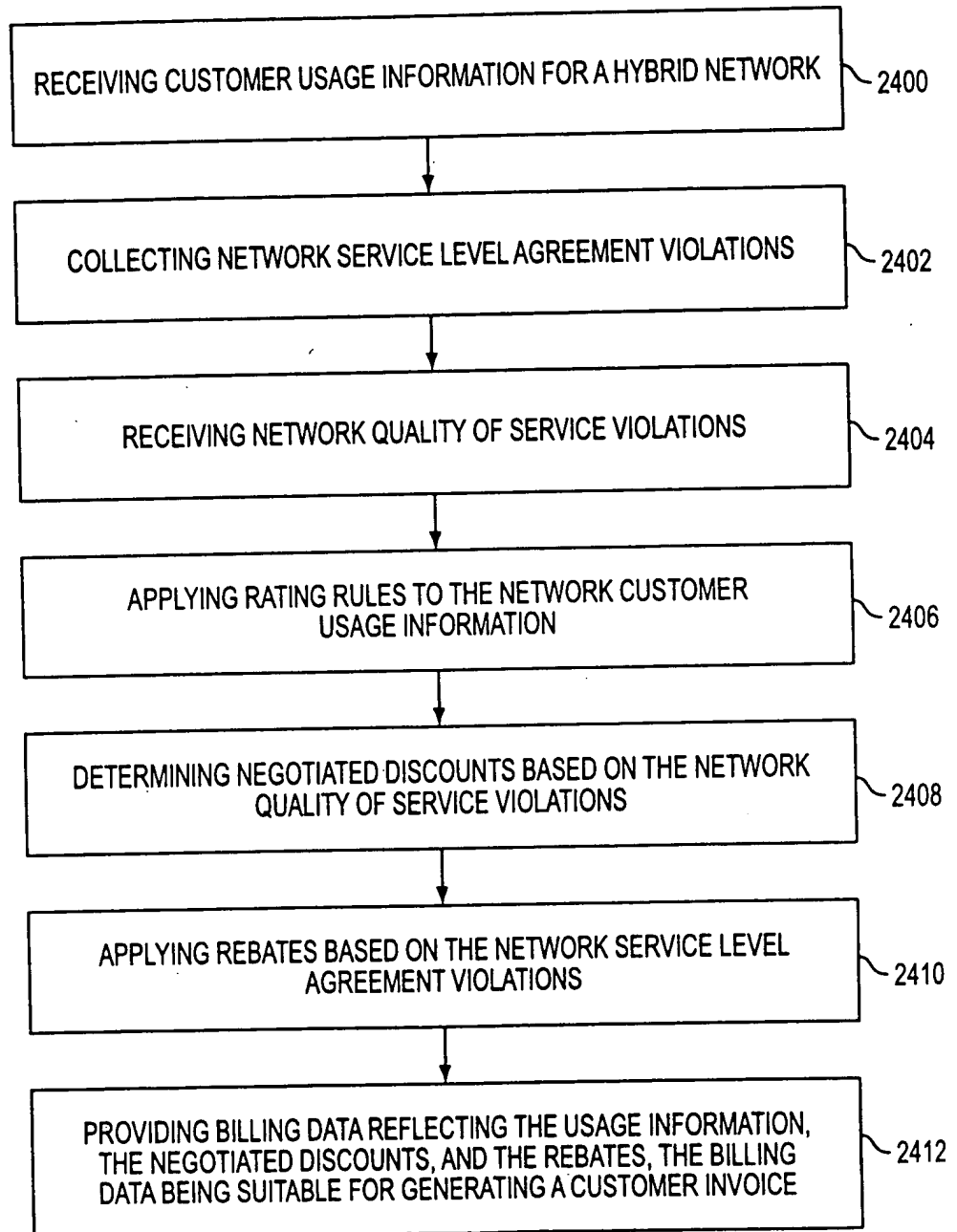


FIG. 24



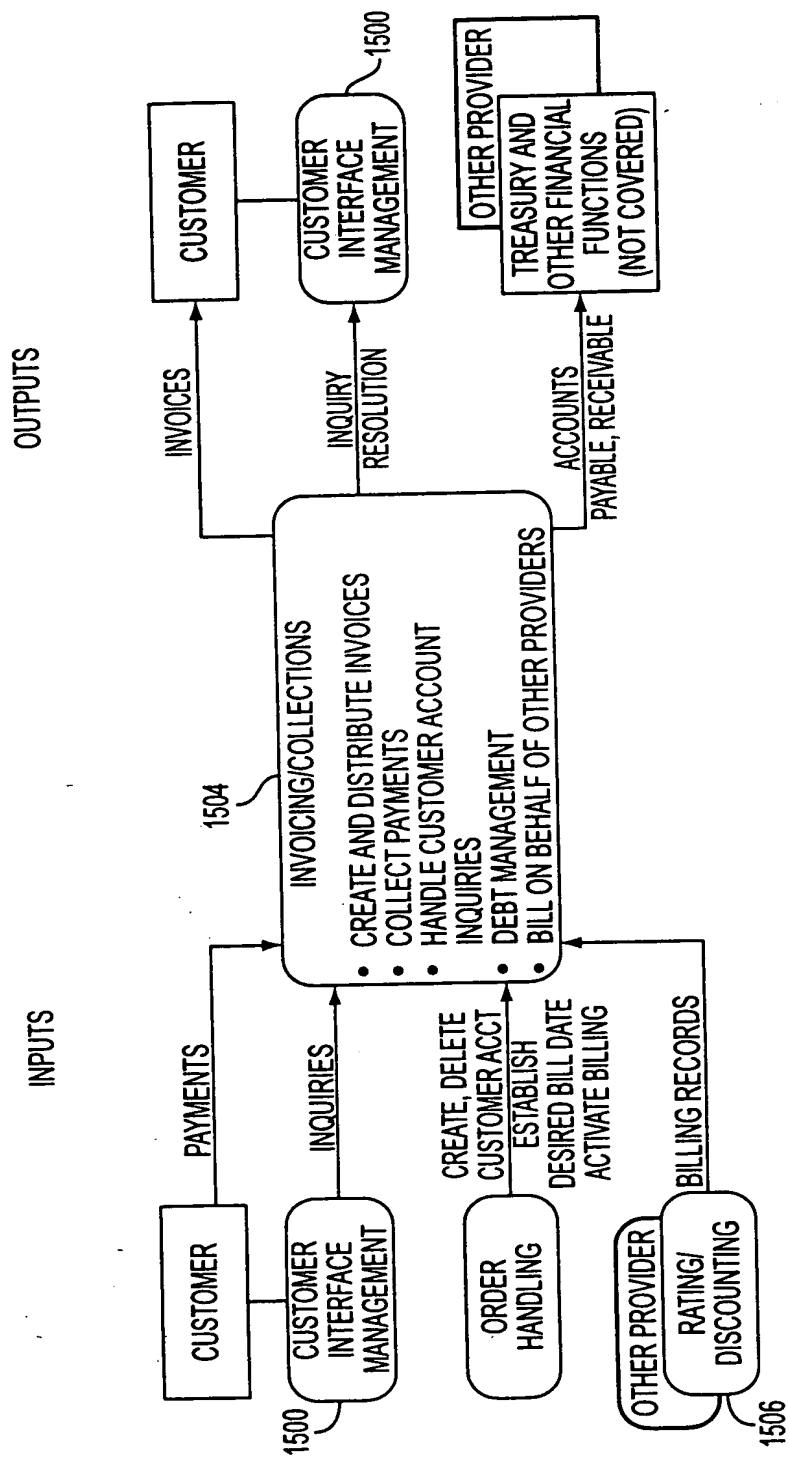


FIG. 25

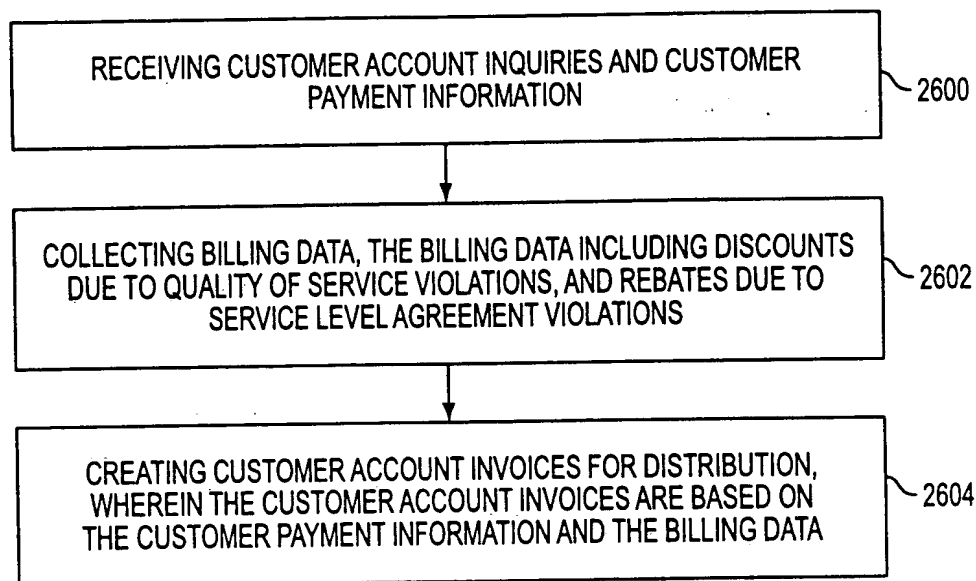


FIG. 26

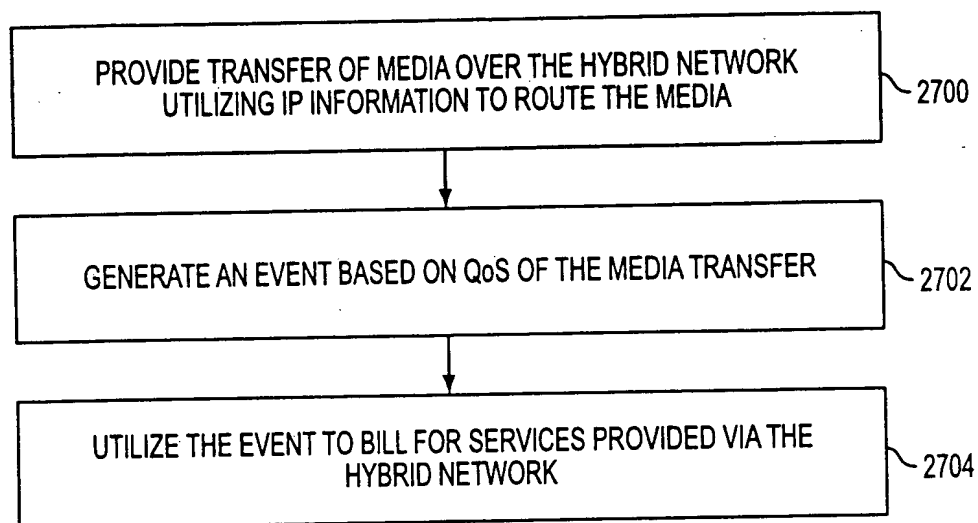


FIG. 27

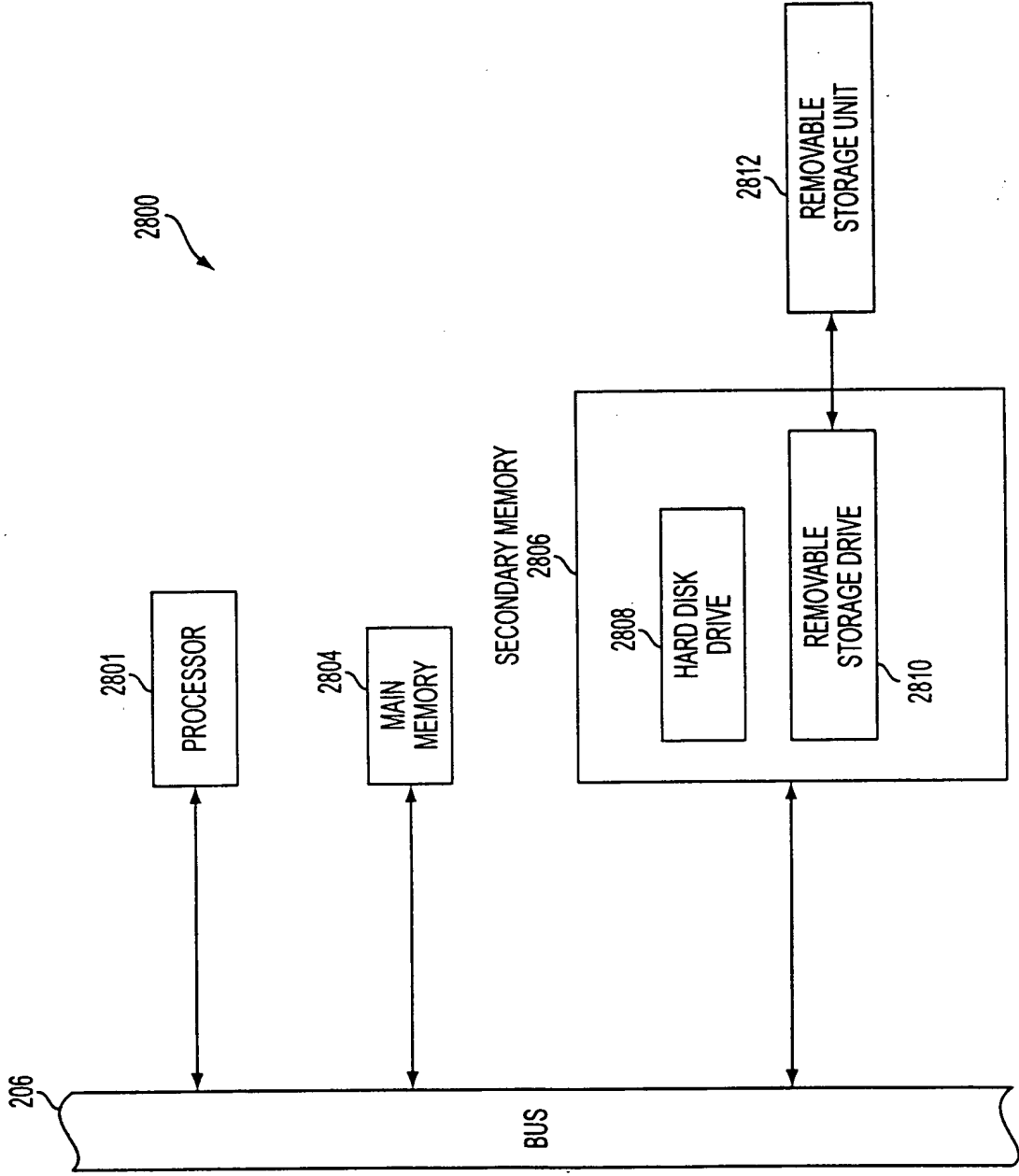


FIG. 28



FIG. 29



MSB																LSB			
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15		
WORD	00	CR ID						CD ID											
	01	TP1 BITS 0-15																	
	02	TP1 BITS 16-31																	
	03	TP3 BITS 0-12												TP6 0-2					
	04	TP6 BITS 3-12									TP7 BITS 0-5								
	05	TP7 BITS 6-21																	
	06	OPL. ORIGINATING PORT 0-15																	
	07	OP	TPL. TERMINATING PORT 0-14																
	08	TP	OTG. ORIGINATING TRUNK GROUP													TT			
	09	TERMINATING TRUNK GROUP (1-12)												TP3Q					
	10	TP6Q	ACTION CODE						OTC				TTC						
	11	ID1				ID2				ANI INDEX									
	12	CLI 1				CLI 2				CLI 3				CLI 4					
	13	CLI 5				CLI 6				CLI 7				CLI 8					
	14	CLI 9				CLI 10				CLI 11				CLI 12					
	15	CLI 13				CLI 14				CLI 15				A1					
	16	A2				A3				A4				A5					
	17	A6				A7				A8				A9					
	18	A10				A11				A12				A13					
	19	A14				A15				A16				A17					
	20	A18				A19				A20				A21					
	21	A22				A23				A24				A25					
	22	A26				A27				A28				A29					
	23	A30				A31				A32				A33					
	24	A34				A35				A36				A37					
	25	A38				A39				A40				A41					
	26	A42				A43				A44				A45					
	27	FC				TMC				KAT				TP7Q					
	28	EC, ENTRY CODE						PD			ND ID				DIVID				
	29	D0	MN	CC	IN		SC	CD	DE	DT			SA	NOCLI					
	30	CN1				CN2			CN3				CN4						
	31	ACIF				SS7 RELEASE CODE							NCIDSEQ			NL	RS		
BIT		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15		

FIG. 30



MSB																LSB	
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
WORD	32																
	33																
	34	ID1				ID2				ID3				ID4			
	35	ID5				ID6				ID7				ID8			
	36	ID9				ID10				ID11				ID12			
	37	ID13				ID14				ID15				ID16			
	38	ID17				ID18				ID19				ID20			
	39	ID21				ID22				ID23				ID24			
	40	ID25				PTD1				PTD2				PTD3			
	41	PTD4				PTD5				PTD6				PTD7			
	42	PTD8				PTD9				PTD10				PTD11			
	43	PTD12				PTD13				PTD14				PTD15			
	44	EIR CALL TYPE								OVFAL							CB
	45	OVFCL				DTA 1				DTA 2				DTA 3			
	46	DTA 4				DTA 5				DTA 6				DTA 7			
	47	DTA 8				DTA 9				DTA 10				DTA11			
48	DTA 12				DTA 13				DTA 14				DTA 15				
49	OVFC								DTAC						NCID		
50	NETWORK CALL IDENTIFIER (NCID)																
51	NETWORK CALL IDENTIFIER (NCID)																
52	NETWORK CALL IDENTIFIER (NCID)																
53	NETWORK CALL IDENTIFIER (NCID)																
54	NETWORK CALL IDENTIFIER (NCID)																
55																	
56																	
57																	
58																	
59													OUS TYPE		OUIE		
60	OUIE COUNT CONT.														OVFCS		
61	ORIGINATING NX64 BITMAP (1-16)																
62	ORIG NX64 BITMAP (17-24)   TERM NX64 BITMAP (17-24)																
63	TERMINATING NX64 BITMAP (9-24)																
BIT		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

FIG. 31

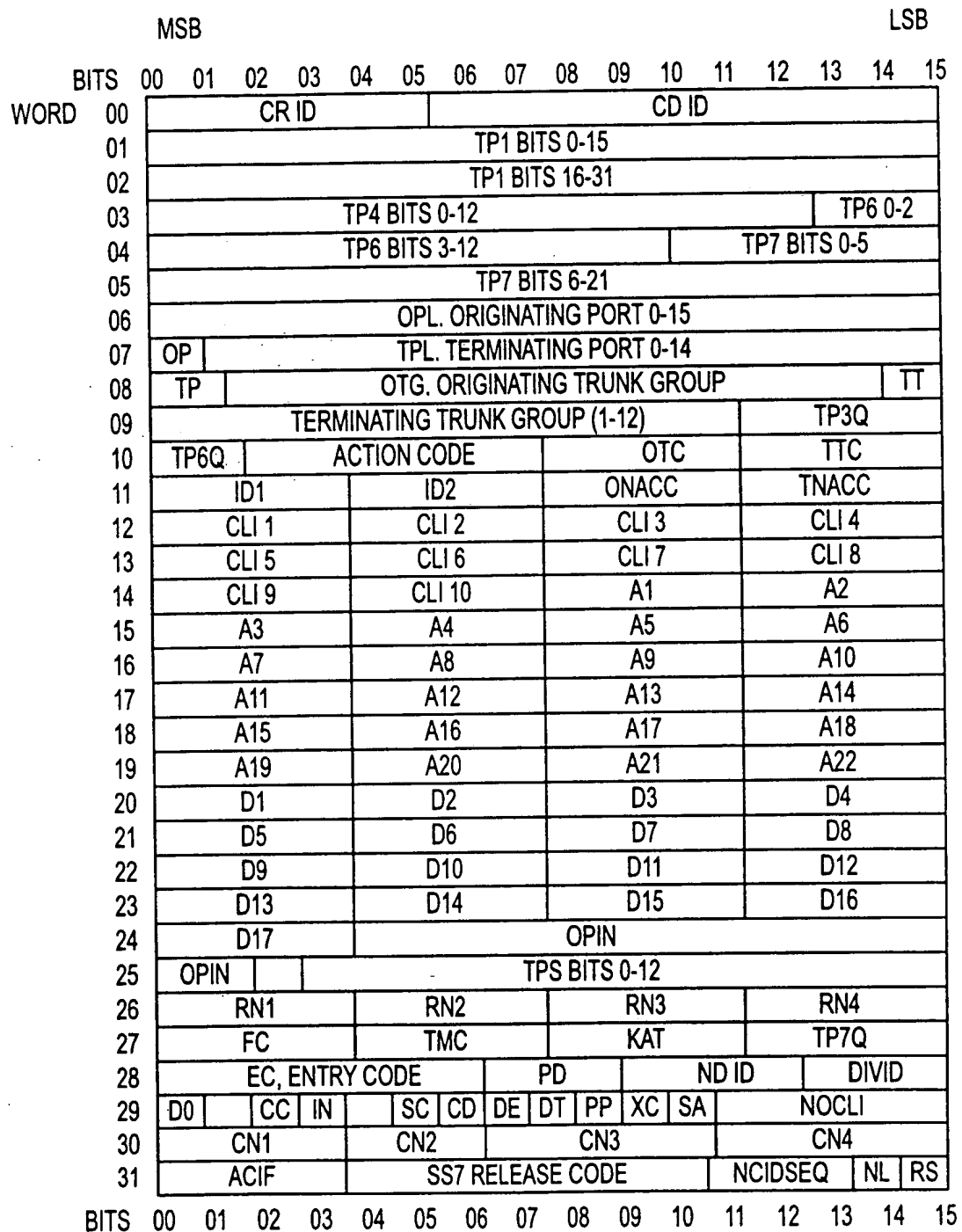


FIG. 32





MSB																LSB			
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15		
WORD	00	CR ID						CD ID											
	01	TP1 BITS 0-15																	
	02	TP1 BITS 16-31																	
	03	TP4 BITS 0-12												TP6 0-2					
	04	TP6 BITS 3-12										TP7 BITS 0-5							
	05	TP7 BITS 6-21																	
	06	OPL. ORIGINATING PORT 0-15																	
	07	OP	TPL. TERMINATING PORT 0-14																
	08	TP	OTG. ORIGINATING TRUNK GROUP													TT			
	09	TERMINATING TRUNK GROUP (1-12)												TP3Q					
	10	TP6Q	ACTION CODE						OTC				TTC						
	11	ID1				ID2				ONACC				TNACC					
	12	CLI 1				CLI 2				CLI 3				CLI 4					
	13	CLI 5				CLI 6				CLI 7				CLI 8					
	14	CLI 9				CLI 10				CLI 11				CLI 12					
	15	CLI 13				CLI 14				CLI 15				A1					
	16	A2				A3				A4				A5					
	17	A6				A7				A8				A9					
	18	A10				A11				A12				A13					
	19	A14				A15				A16				A17					
	20	A18				A19				A20				A21					
	21	A22				A23				A24				A25					
	22	A26				A27				A28				A29					
	23	A30				A31				A32				A33					
	24	A34				A35				A36				A37					
	25	A38				A39				A40				A41					
	26	A42				A43				A44				A45					
	27	FC				TNC				KAT				TF7Q					
	28	EC, ENTRY CODE						PD			ND ID				DIVID				
	29	D0	MM	CC	IN		SC	CD	DE	DT	PP	XC	SA	NOCLI					
	30	CN1				CN2			CN3				CN4						
	31	ACIF				SS7 RELEASE CODE								NCIDSEQ			NL	RS	
BITS		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15		
EOSR/EOSR FORMAT																			

EOSR/EOSR FORMAT

FIG. 33



MSB													LSB			
BITS	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
32	T & C GUEST 1								T & C GUEST 2							
33	T & C GUEST 3								T & C GUEST 4							
34	ID1				ID2				ID3				ID4			
35	ID5				ID6				ID7				ID8			
36	ID9				ID10				ID11				ID12			
37	ID13				ID14				ID15				ID16			
38	ID17				ID18				ID19				ID20			
39	ID21				ID22				ID23				ID24			
40	ID25				PTD1				PTD2				PTD3			
41	PTD4				PTD5				PTD6				PTD7			
42	PTD8				PTD9				PTD10				PTD11			
43	PTD12				PTD13				PTD14				PTD15			
44	EIR CALL TYPE								OVFAL						CB	
45	OVFCL				DTA 1				DTA 2				DTA 3			
46	DTA 4				DTA 5				DTA 6				DTA 7			
47	DTA 8				DTA 9				DTA 10				DTA11			
48	DTA 12				DTA 13				DTA 14				DTA 15			
49	OVFC							DTAC							NCID	
50	NETWORK CALL IDENTIFIER (NCID)															
51	NETWORK CALL IDENTIFIER (NCID)															
52	NETWORK CALL IDENTIFIER (NCID)															
53	NETWORK CALL IDENTIFIER (NCID)															
54	NETWORK CALL IDENTIFIER (NCID)															
55	T & C ROOM 1								T & C ROOM 2							
56	T & C ROOM 3								T & C ROOM 4							
57	T & C ROOM 5								T & C ROOM 6							
58	EAC1				EAC2				EAC3				EAC4			
59	EAC5				EAC6				EAC7				EAC8			
60	EAC9				EAC10				EAC11				EAC12			
61	OPIN												OVFCS			
62	TP5-OPERATOR RELEASE															
63	RN1				RN2				RN3				RN4			
BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

FIG. 34



MSB																LSB																
BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
WORD	00	CR ID					SYNC WORD (MINUS 2, OCTAL 7776)																									
	01	CDID, CALL DISCONNECT I.D. NUMBER (0-15)																														
	02	CDID, CALL DISCONNECT I.D. NUMBER (16-31)																														
	03	SWID 1					SWID 2					SWID 3																				
	04	ST-SWITCH TYPE							EQ-EVENT QUALIFIER																							
	05	SERIT-SER EVENT TIME (0-15)																														
	06	SERIT-SER EVENT TIME (16-31)																														
	07						FCDID-FIRST RECORD CDID (12 LSAs)																									
	08						LCDID-LAST RECORD CDID (12 LSAs)																									
	09						NCDID-NEXT RECORD CDID (12 LSAs)																									
	10	NBSN-NEMAS BLOCK SEQUENCE NUMBER																														
	11	PT-PREVIOUS TIME (0-15)																														
	12	PT-PREVIOUS TIME (16-31)																														
	13	SI	TIME OFFSET																													
	14																															
	15																															
	16	SOFTWARE LOAD ID1							SOFTWARE LOAD ID2																							
	17	SOFTWARE LOAD ID3							SOFTWARE LOAD ID4																							
	18	SOFTWARE LOAD ID5							SOFTWARE LOAD ID6																							
	19	LAST PATCHS/PR RLS1							LAST PATCHS/PR RLS2																							
	20	QCDR					QSCDR																									
	21	QPMR					QSPMR																									
	22	QOSR					QSOSR																									
	23	QPOSR					QSPOSR																									
	24	QSER					CNP																									
	25	CDR THROTTLE START TIME (0-15)																														
	26	CDR THROTTLE START TIME (16-31)																														
	27	CDR THROTTLE STOP TIME (0-15)																														
	28	CDR THROTTLE STOP TIME (16-31)																														
	29											FORMAT VER.																				
	30	THROTTLE COUNT (0-15)																														
	31	THROTTLE COUNT (16-31)																														
BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

FIG. 35

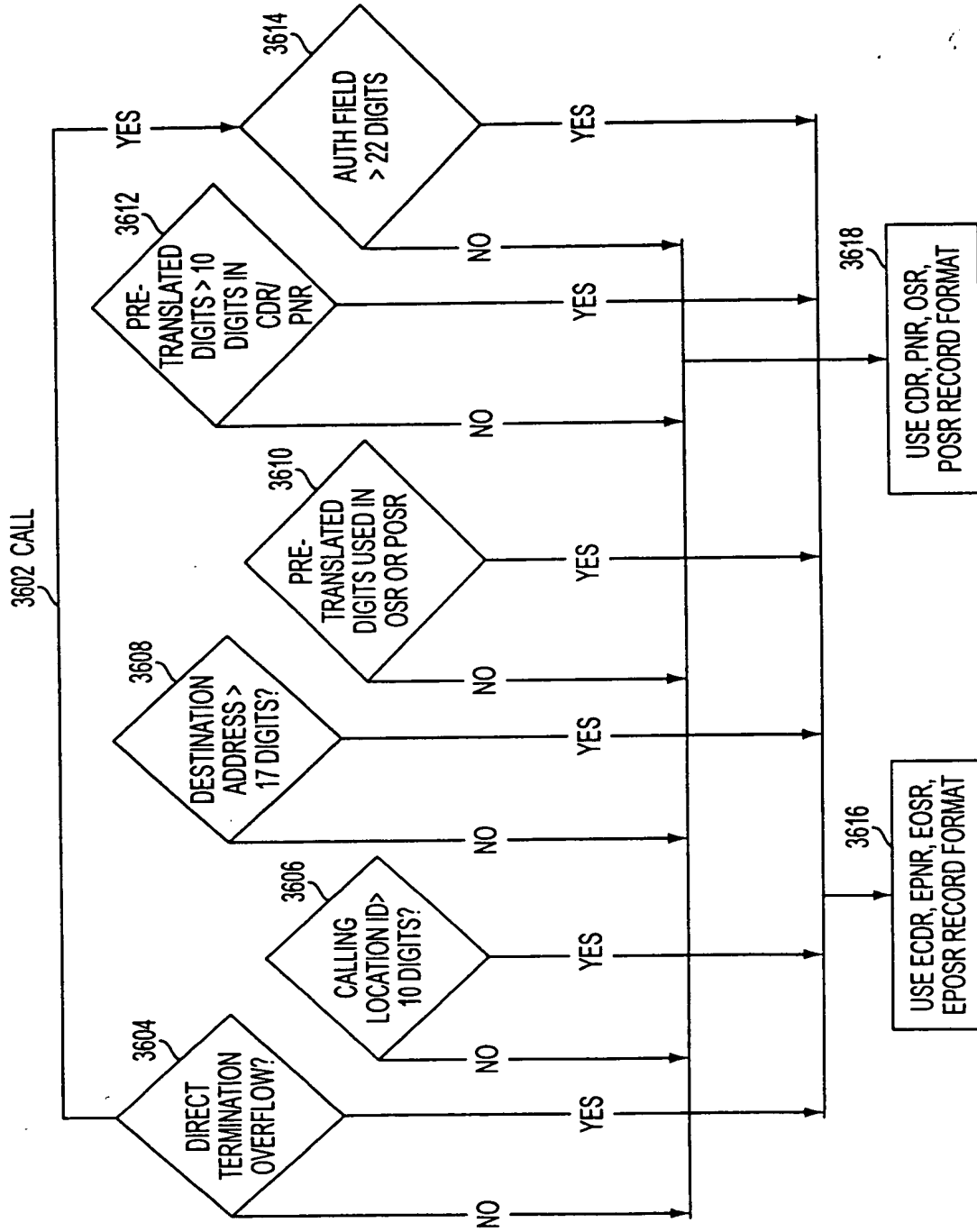


FIG. 36

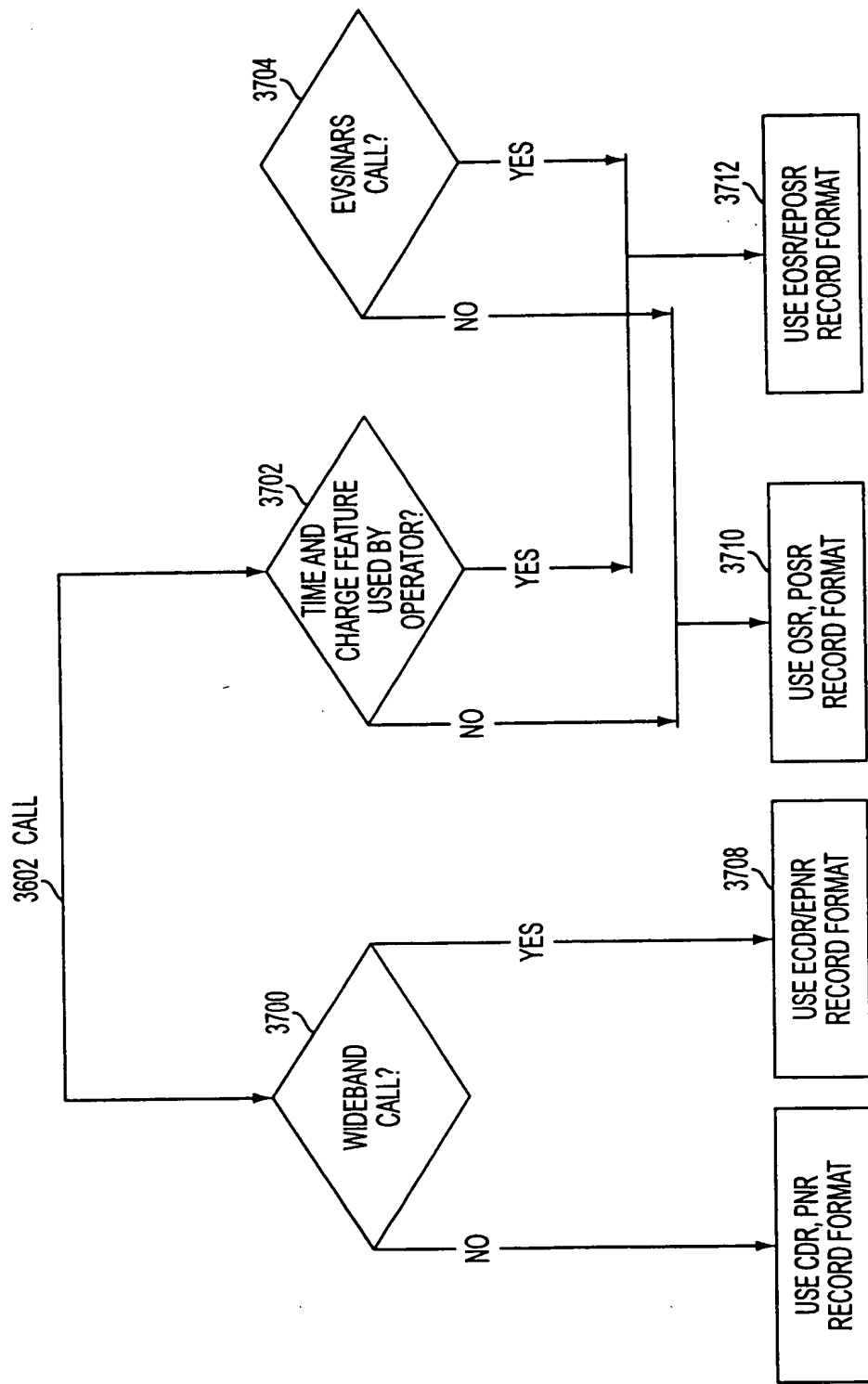


FIG. 37

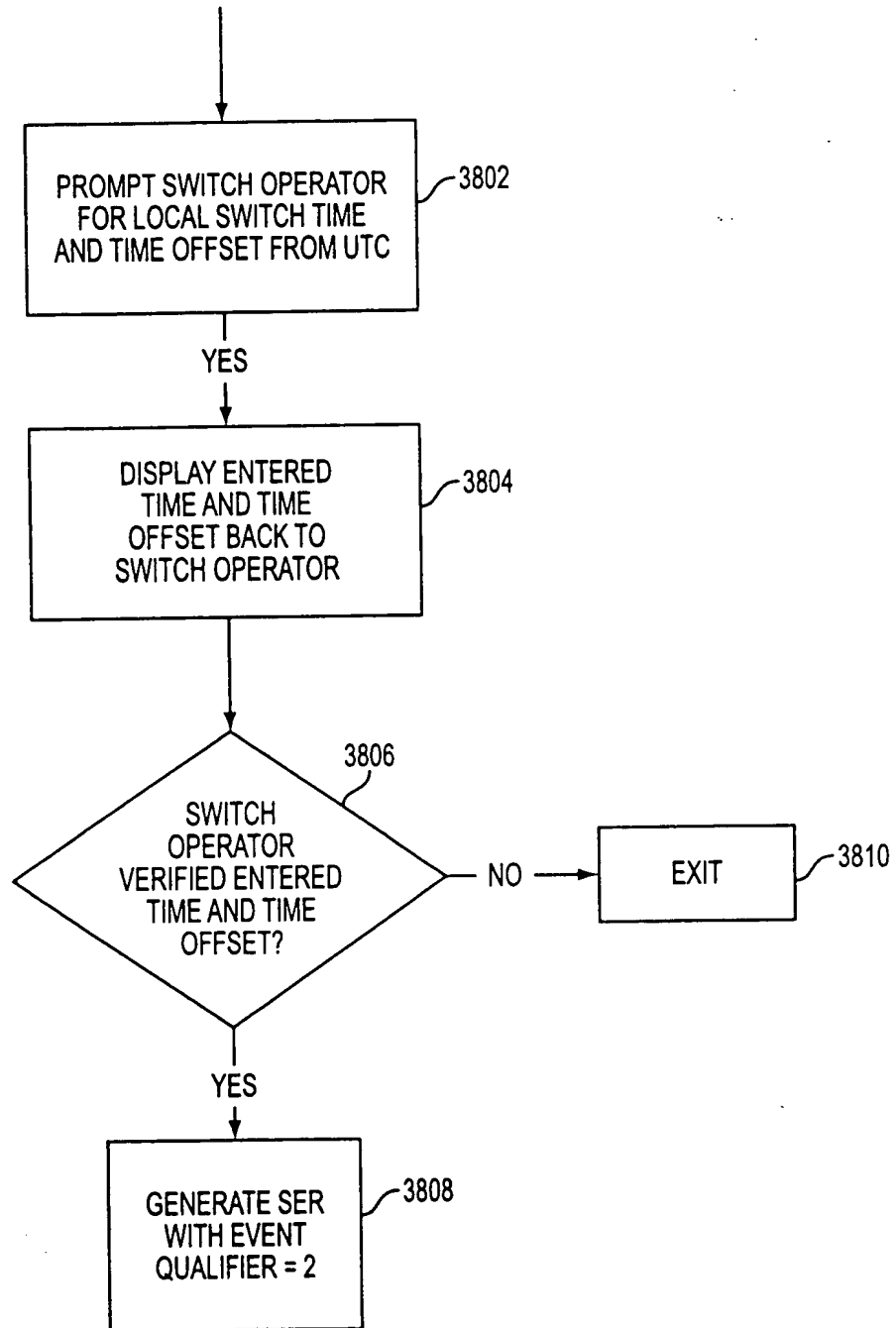


FIG. 38

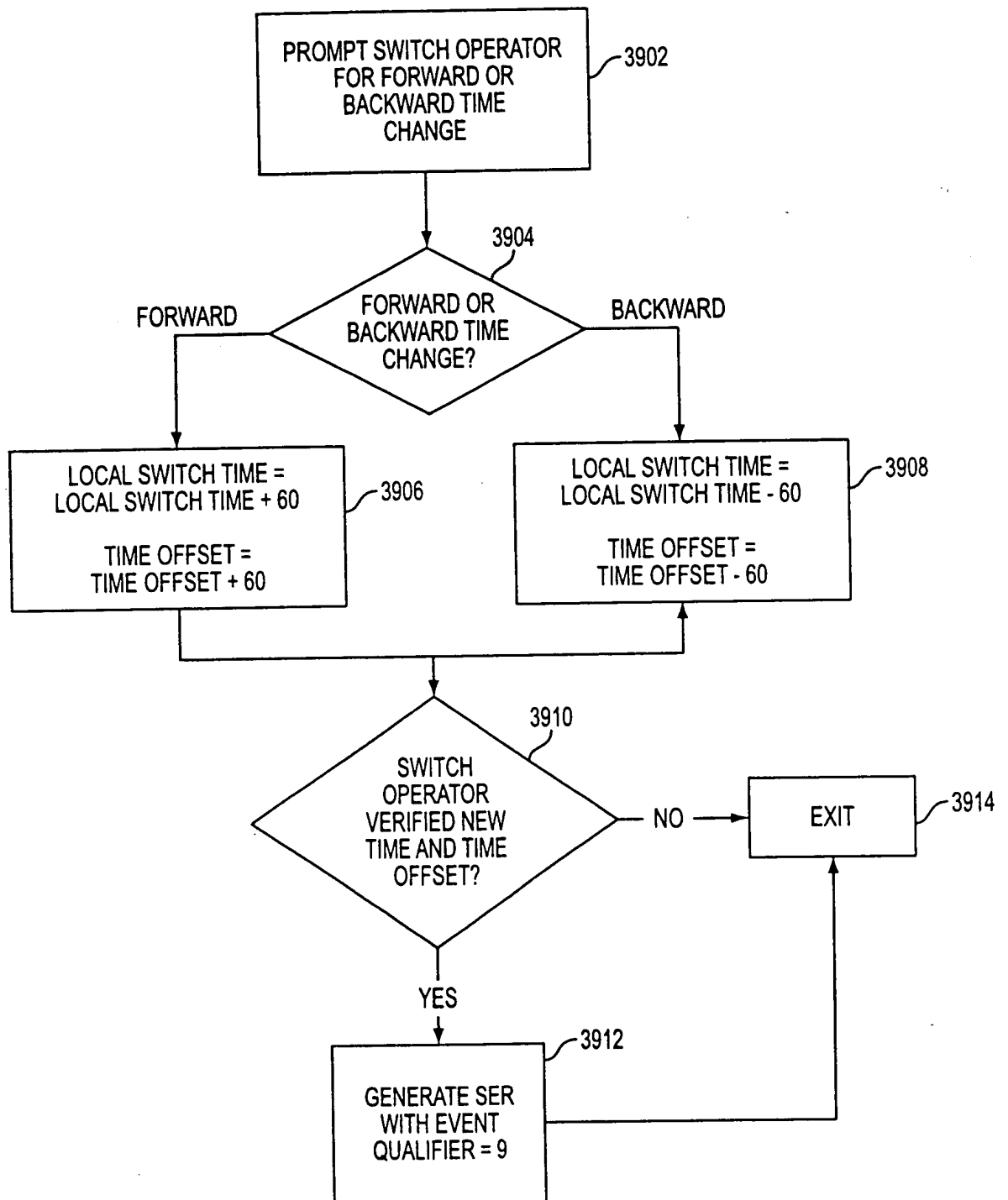


FIG. 39

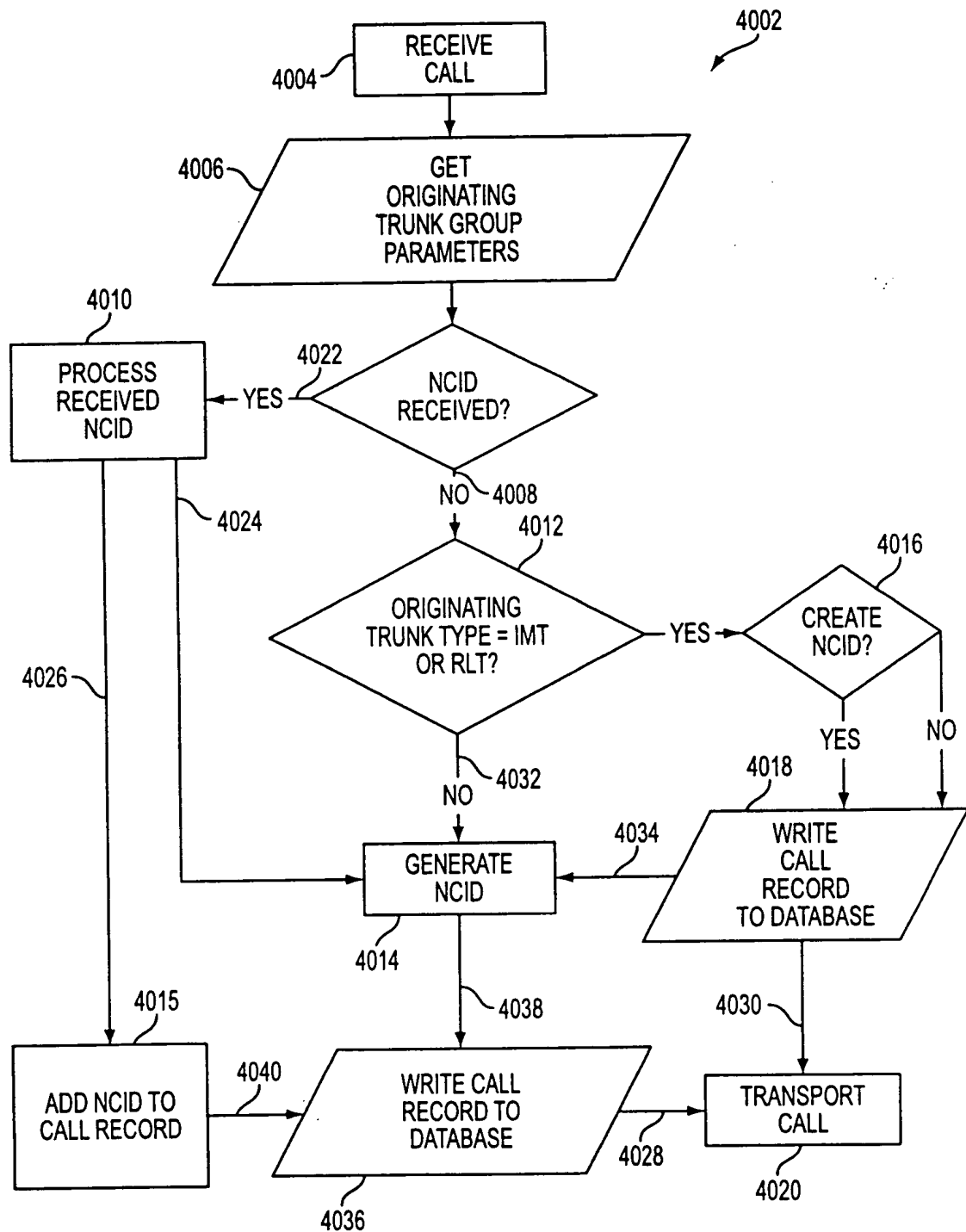


FIG. 40



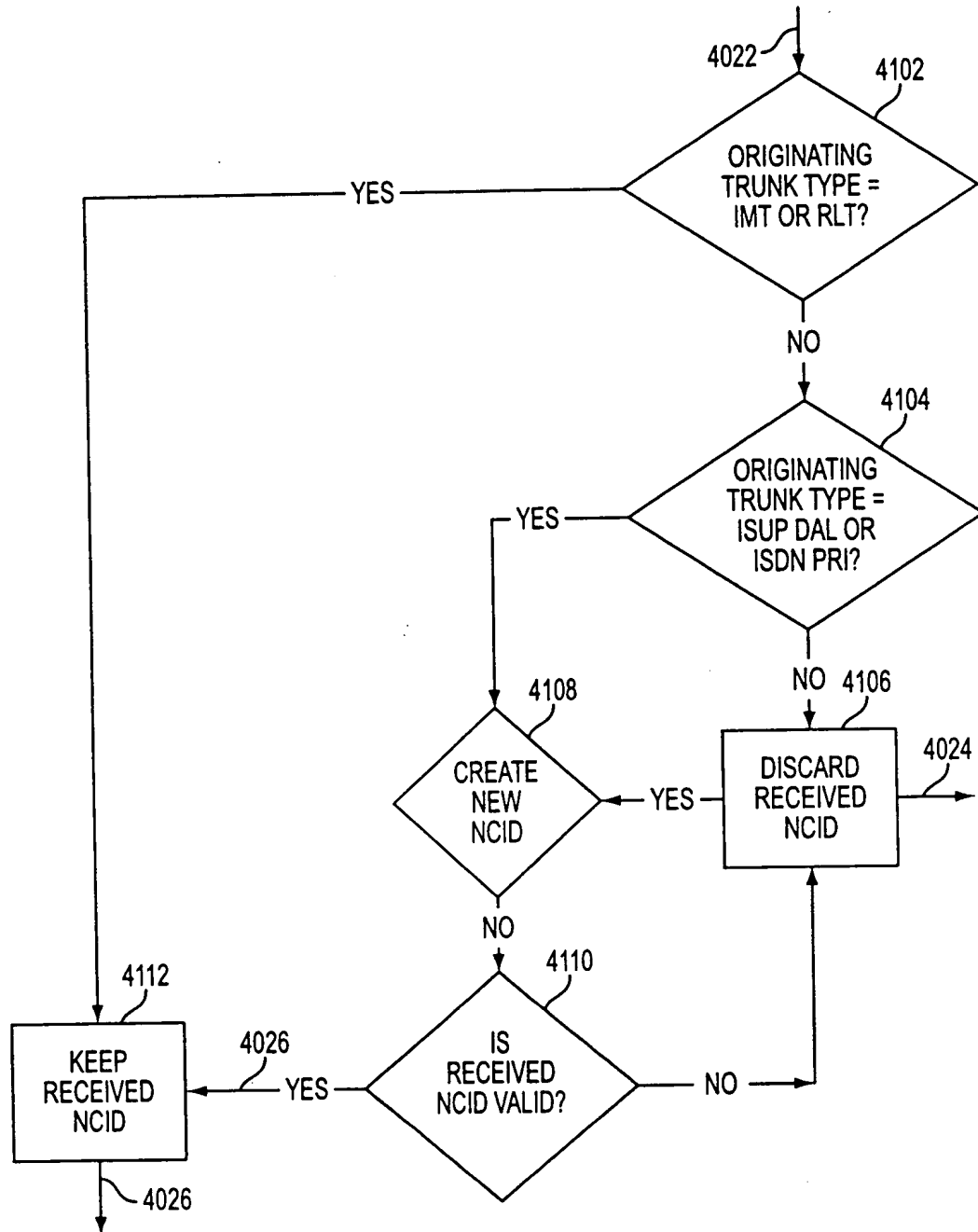


FIG. 41

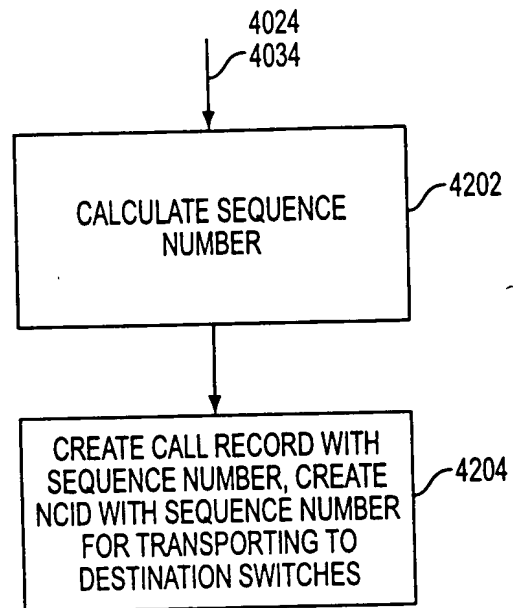


FIG. 42

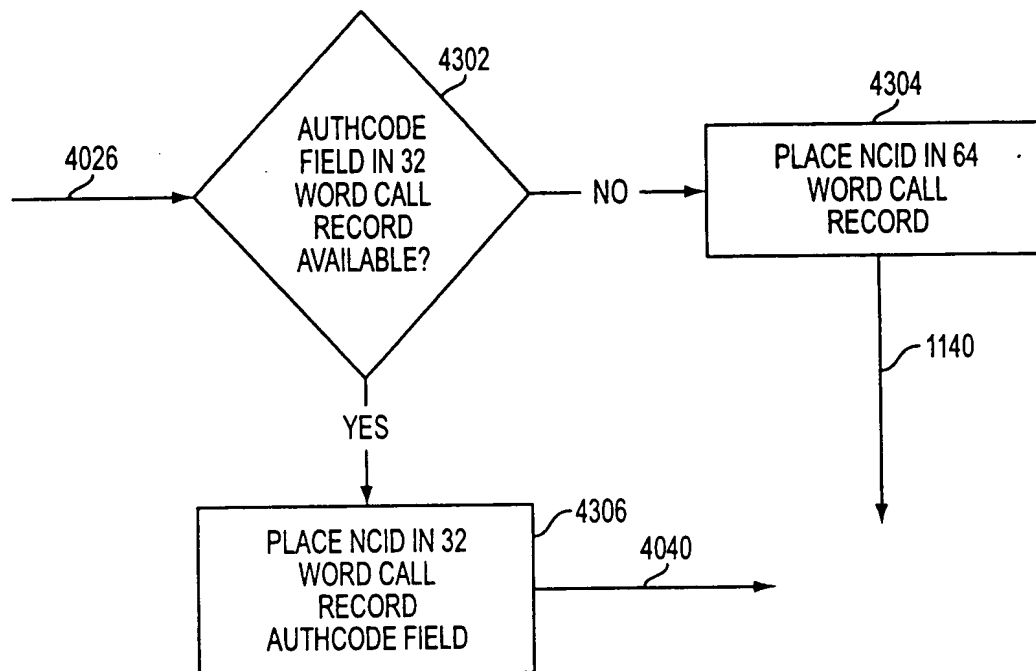


FIG. 43

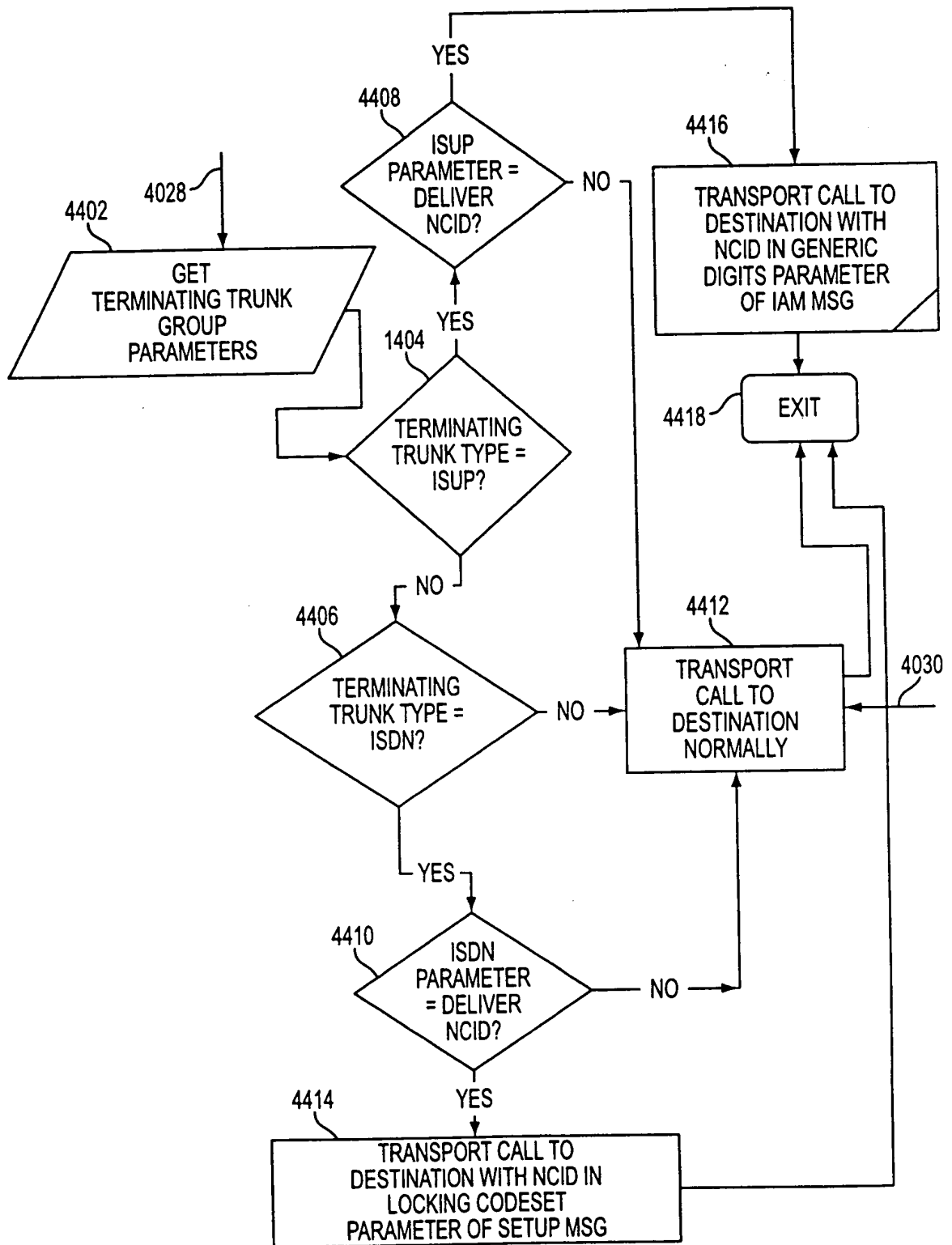


FIG. 44

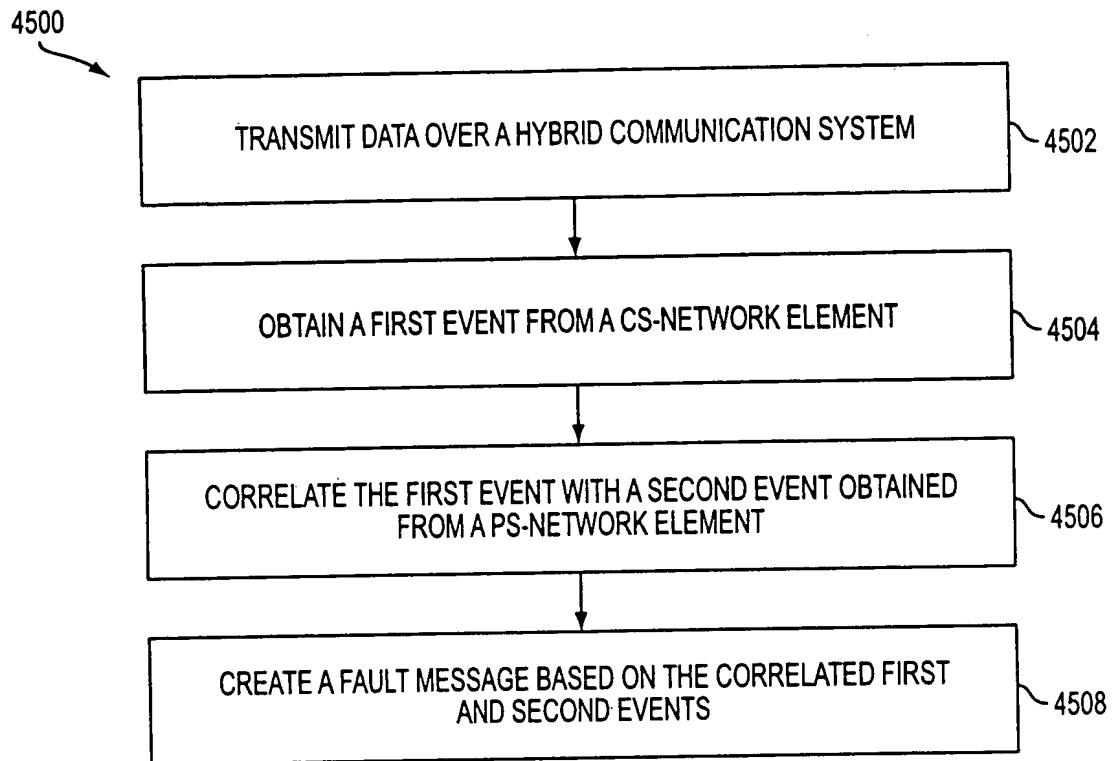


FIG. 45

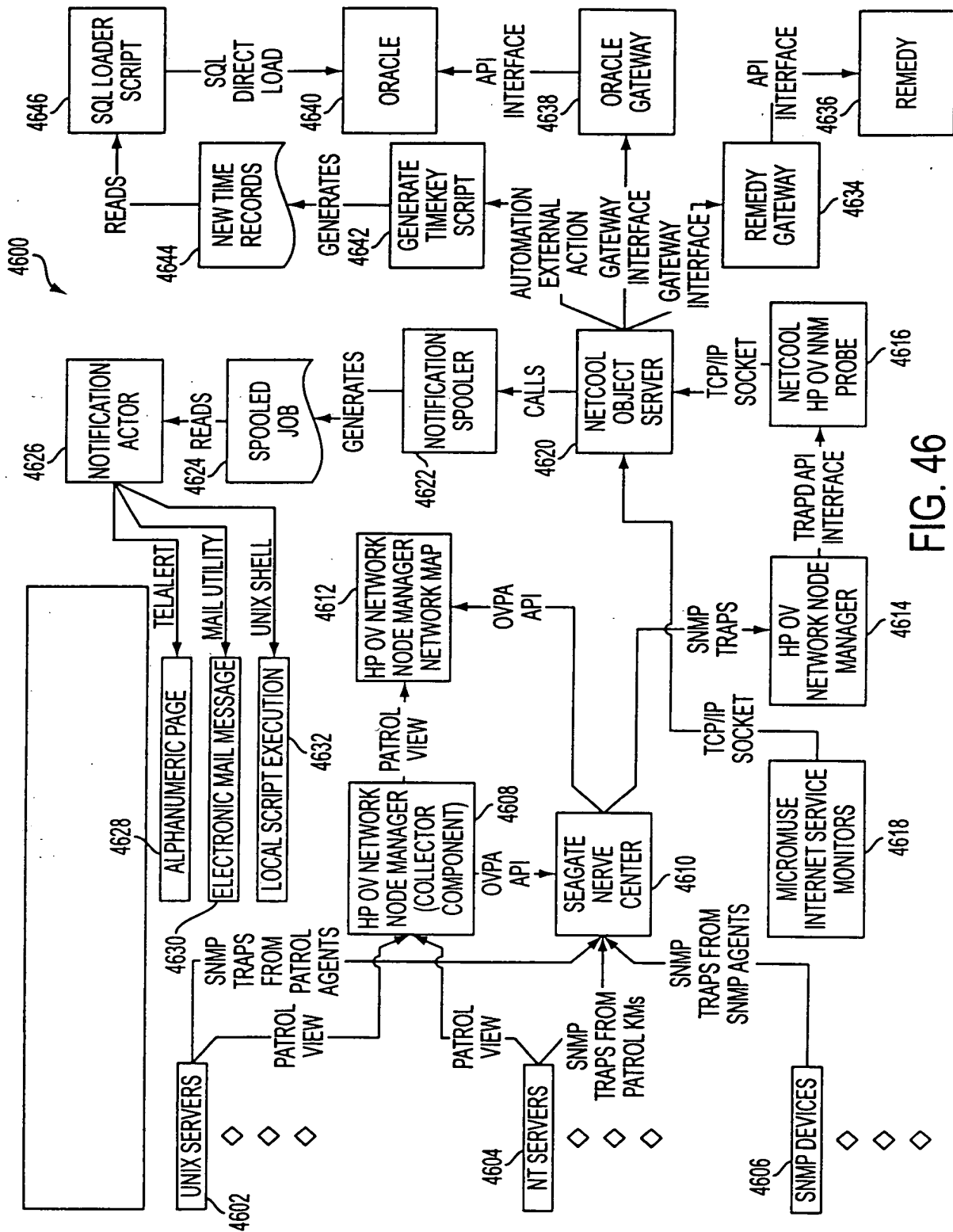


FIG. 46

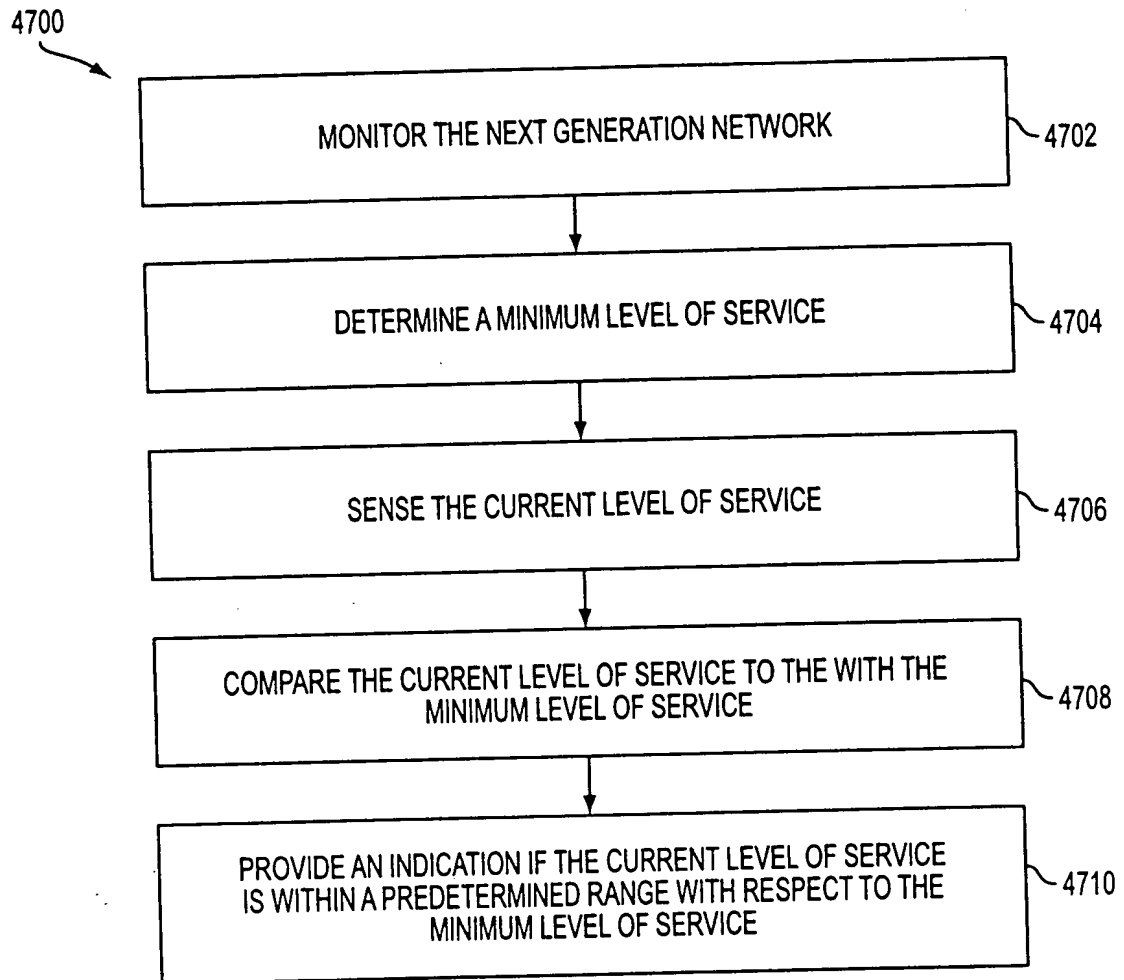


FIG. 47

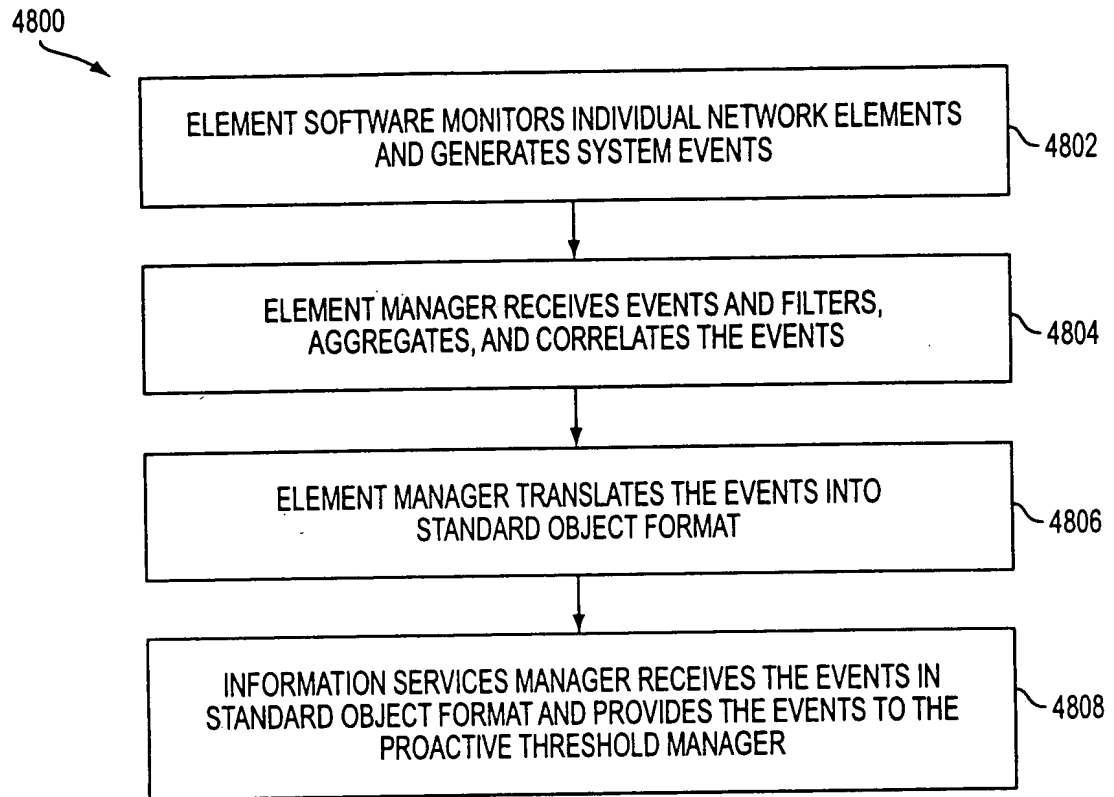


FIG. 48



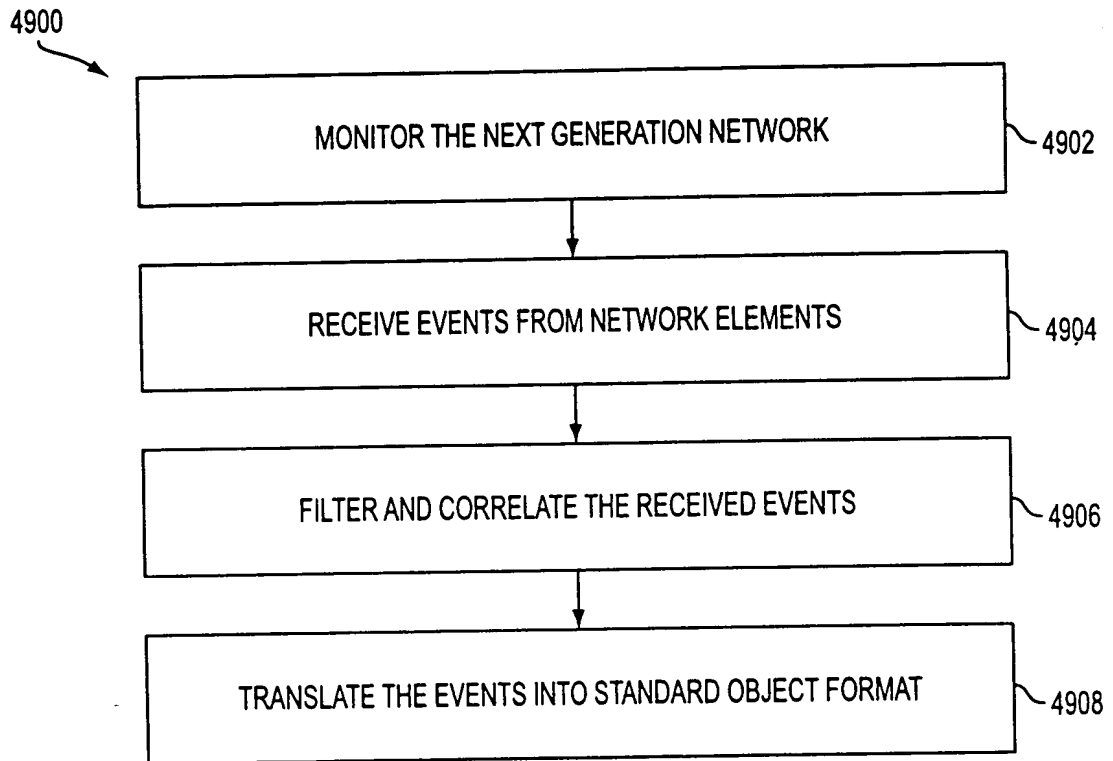


FIG. 49

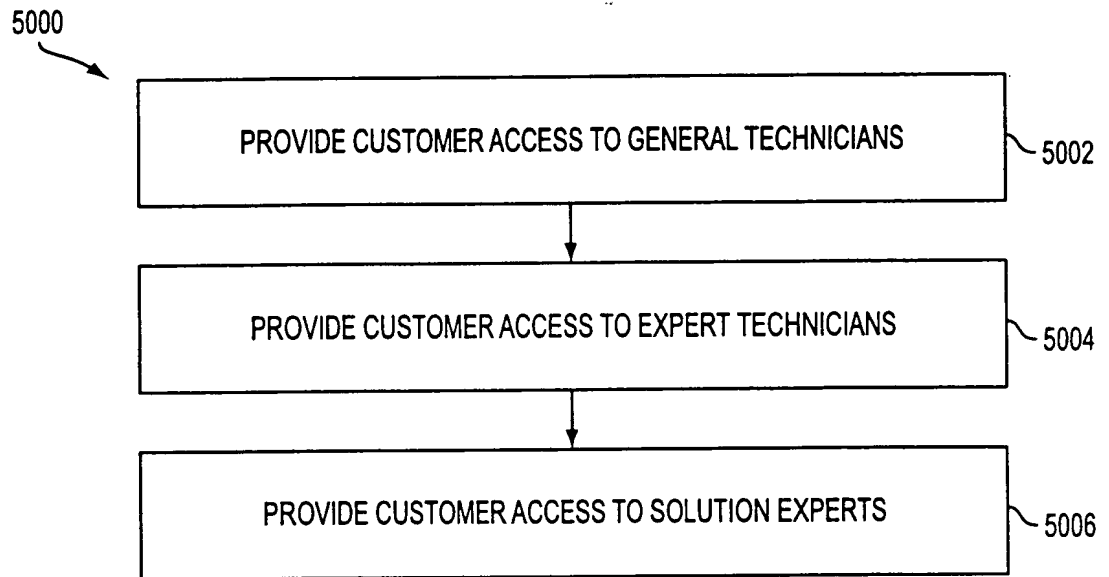


FIG. 50

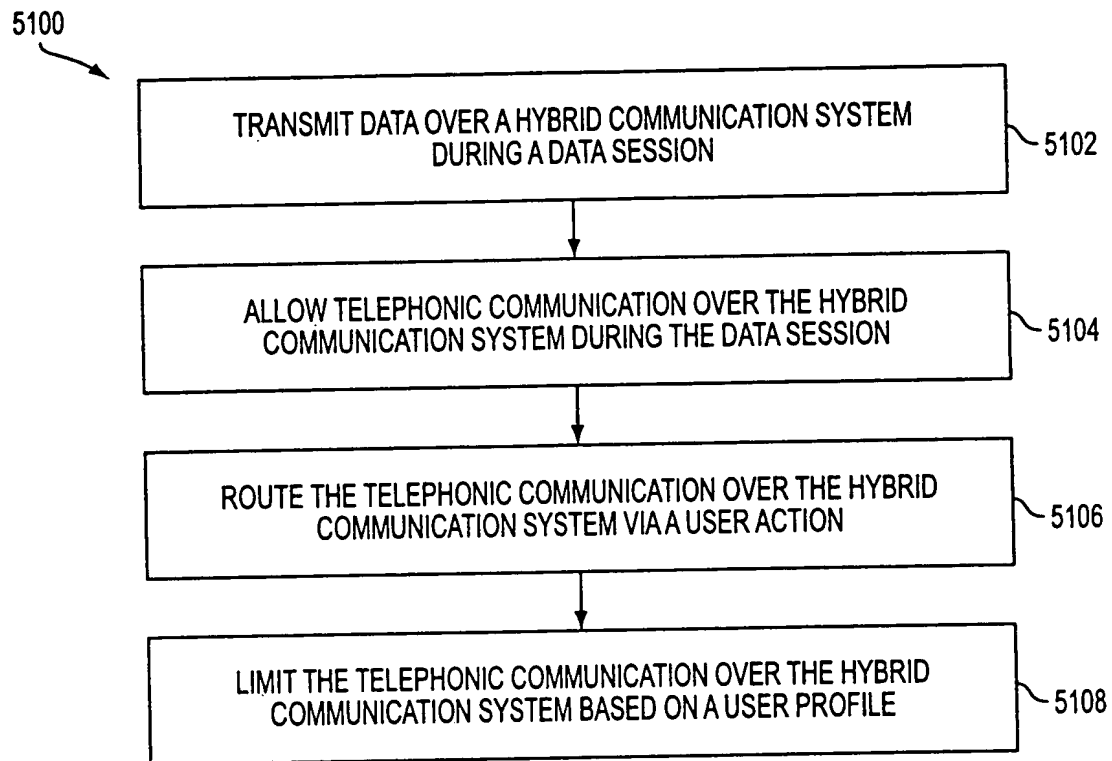


FIG. 51

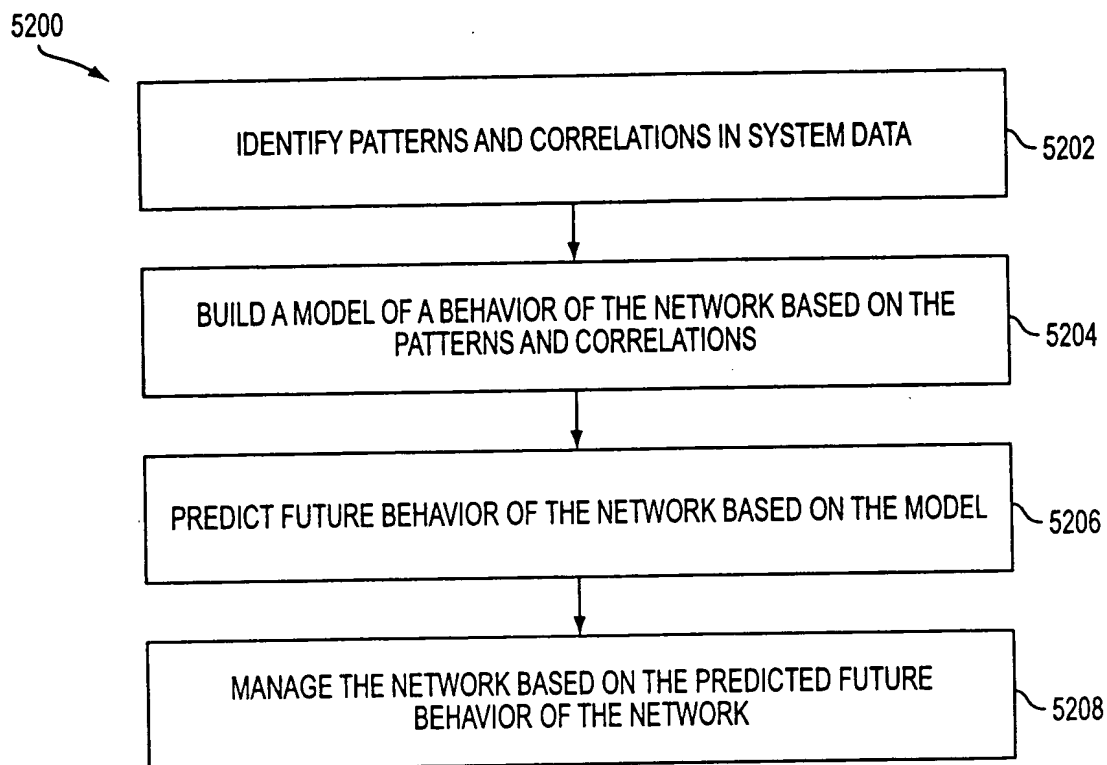


FIG. 52

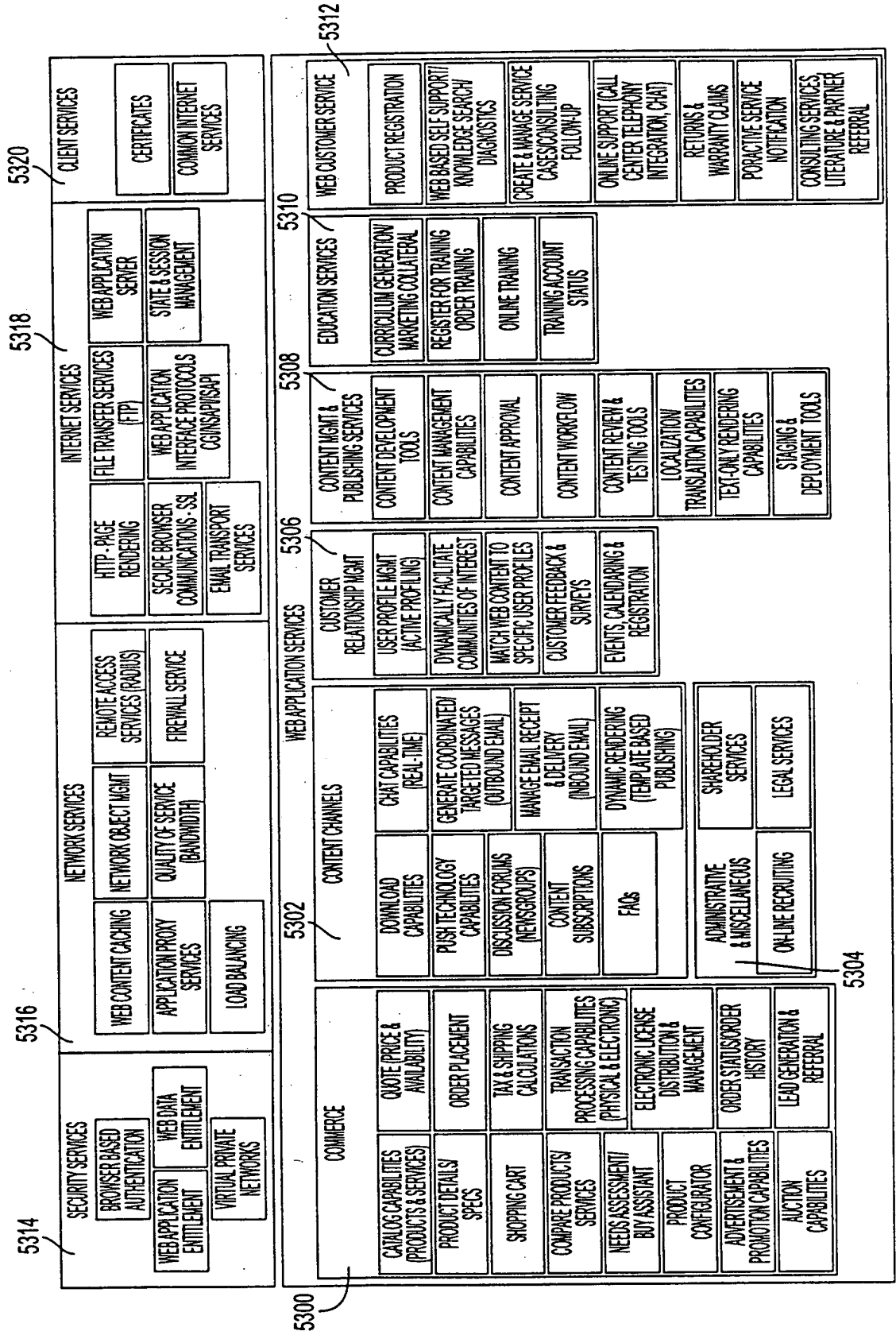


FIG. 53A

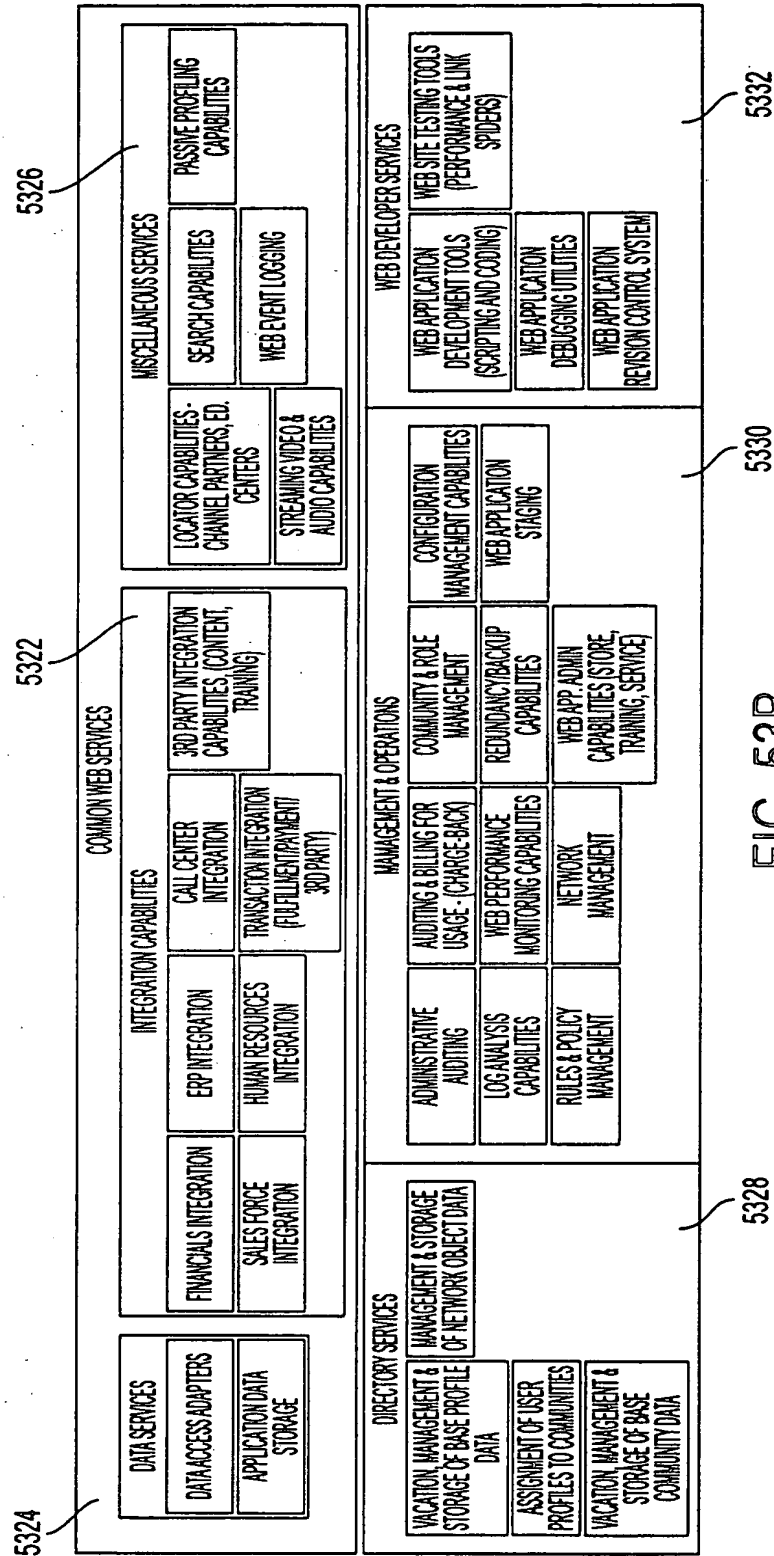


FIG. 53B



5300

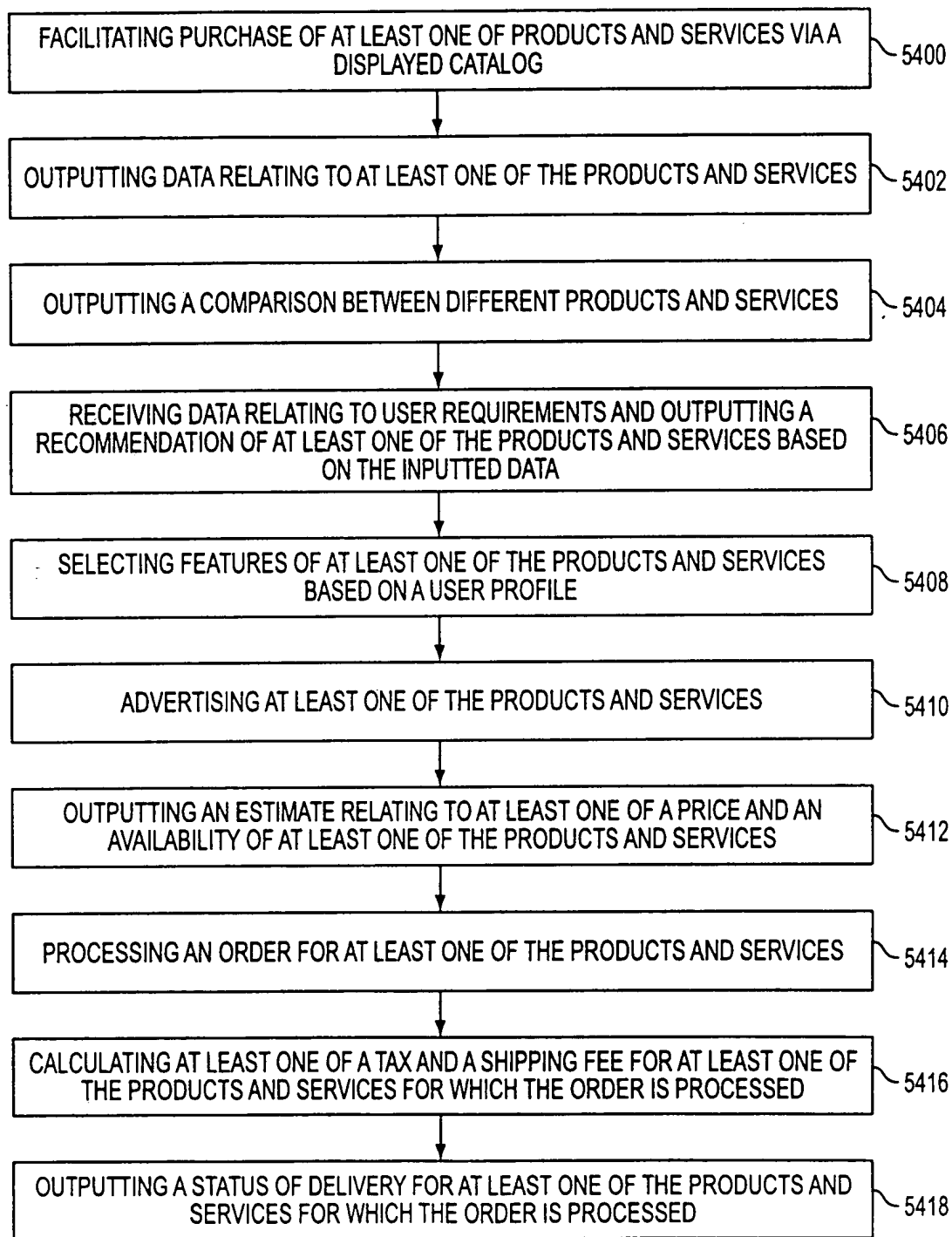


FIG. 54

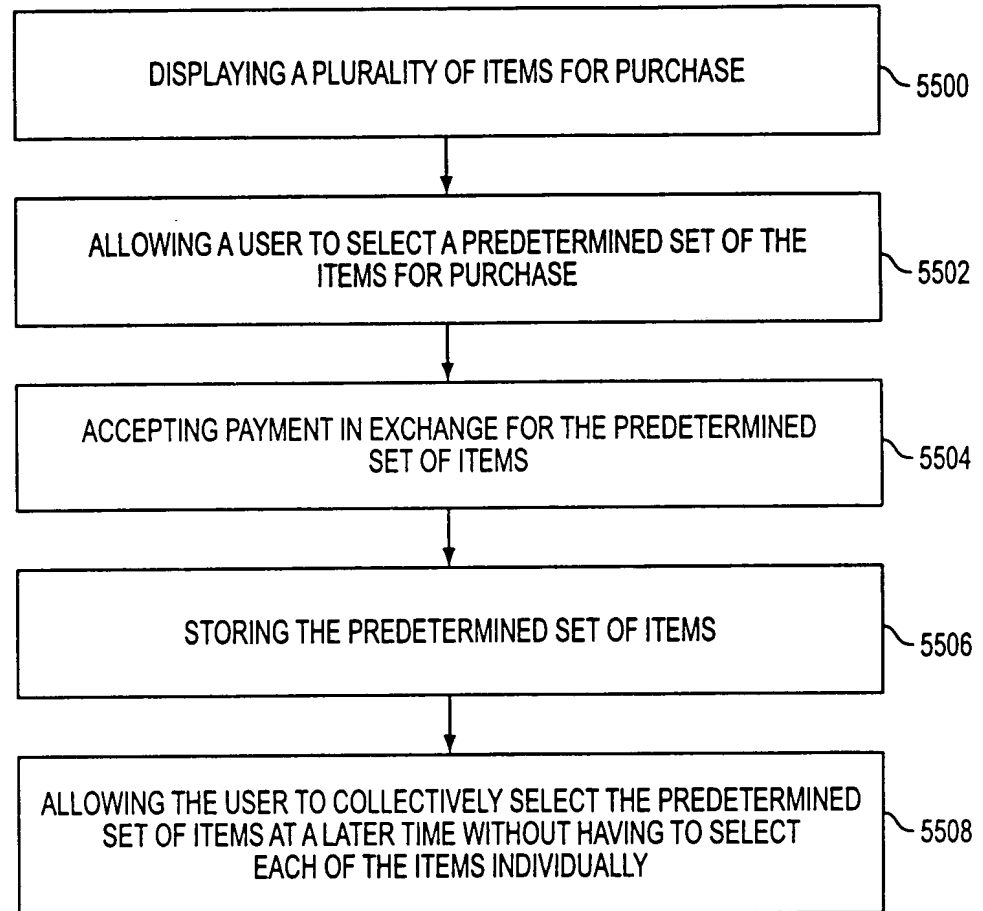


FIG. 55



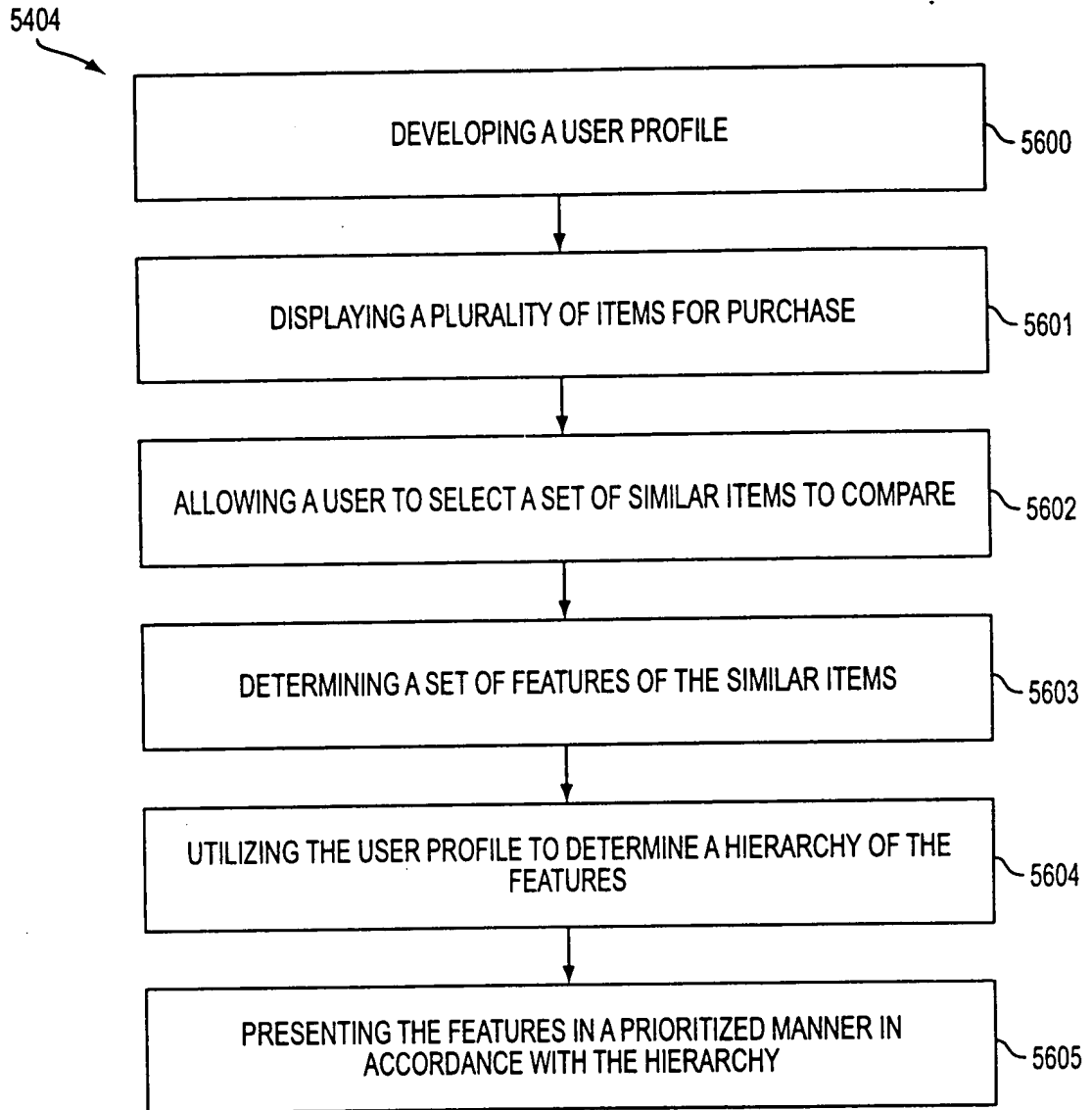


FIG. 56

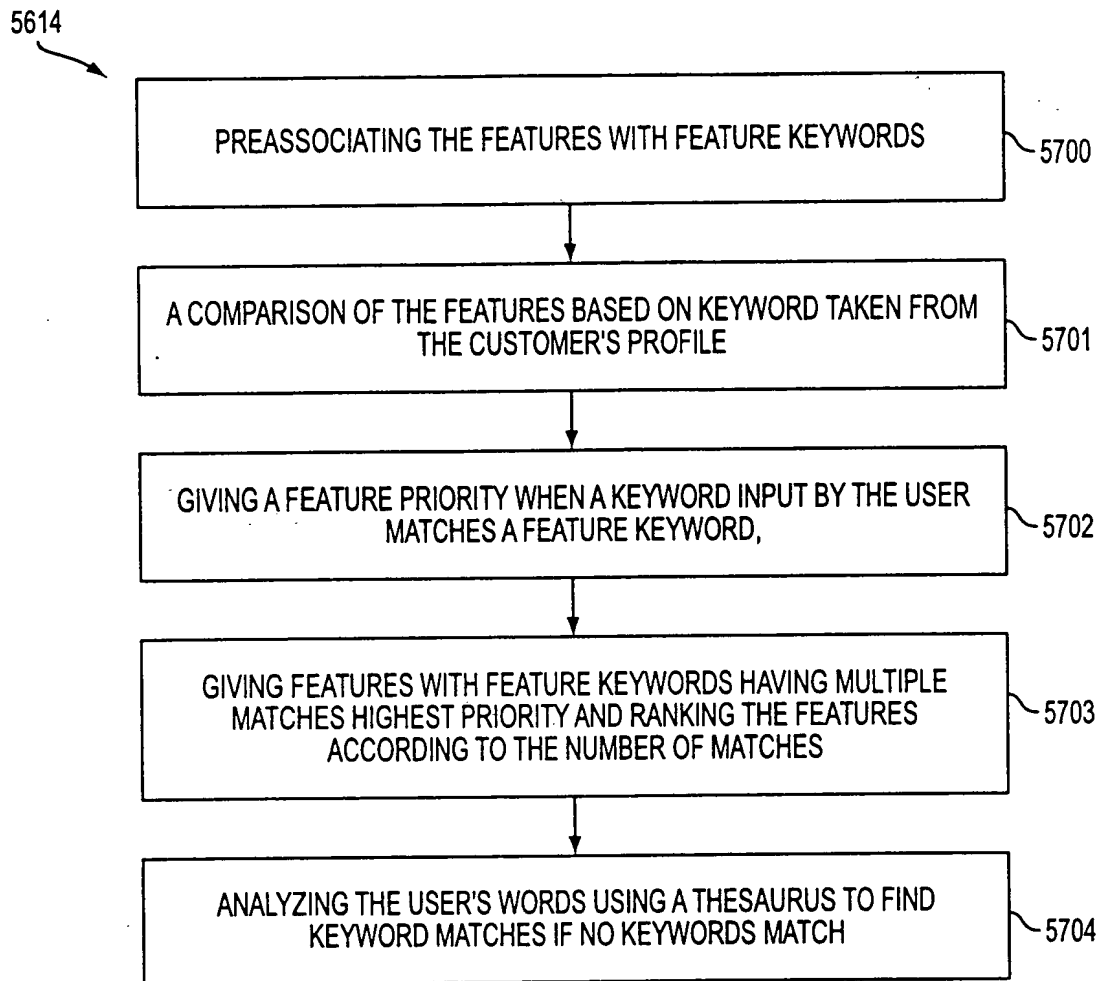


FIG. 57

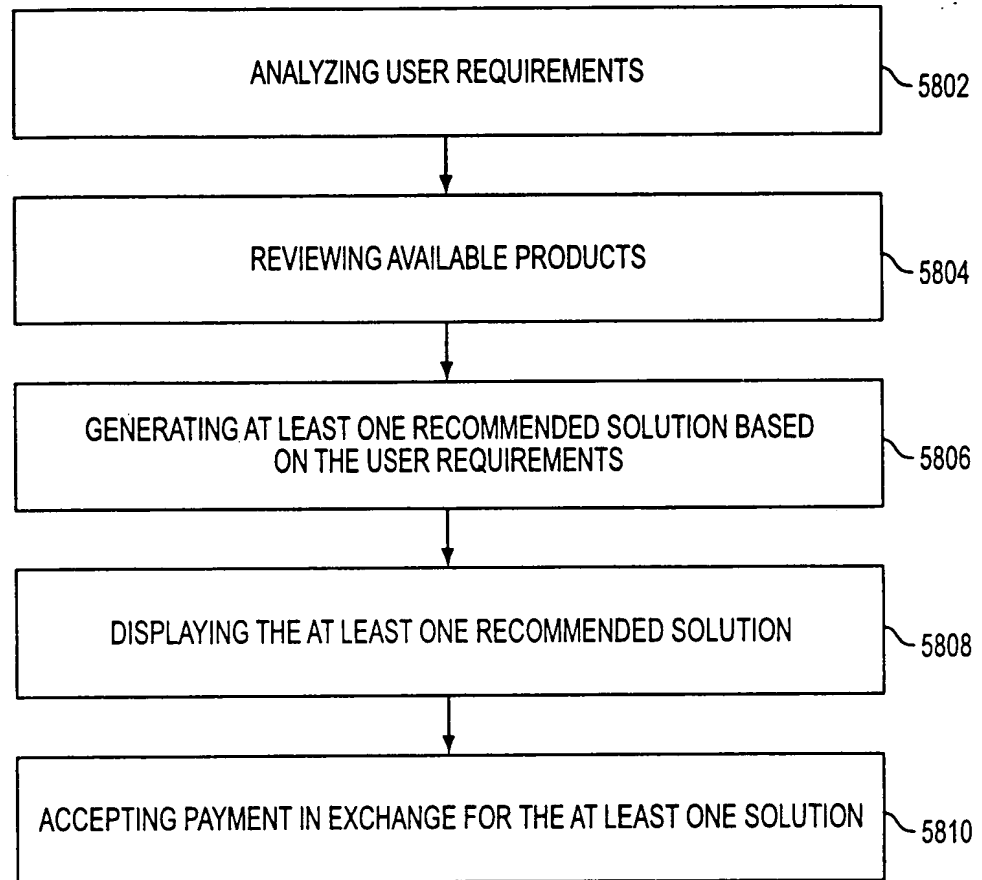


FIG. 58

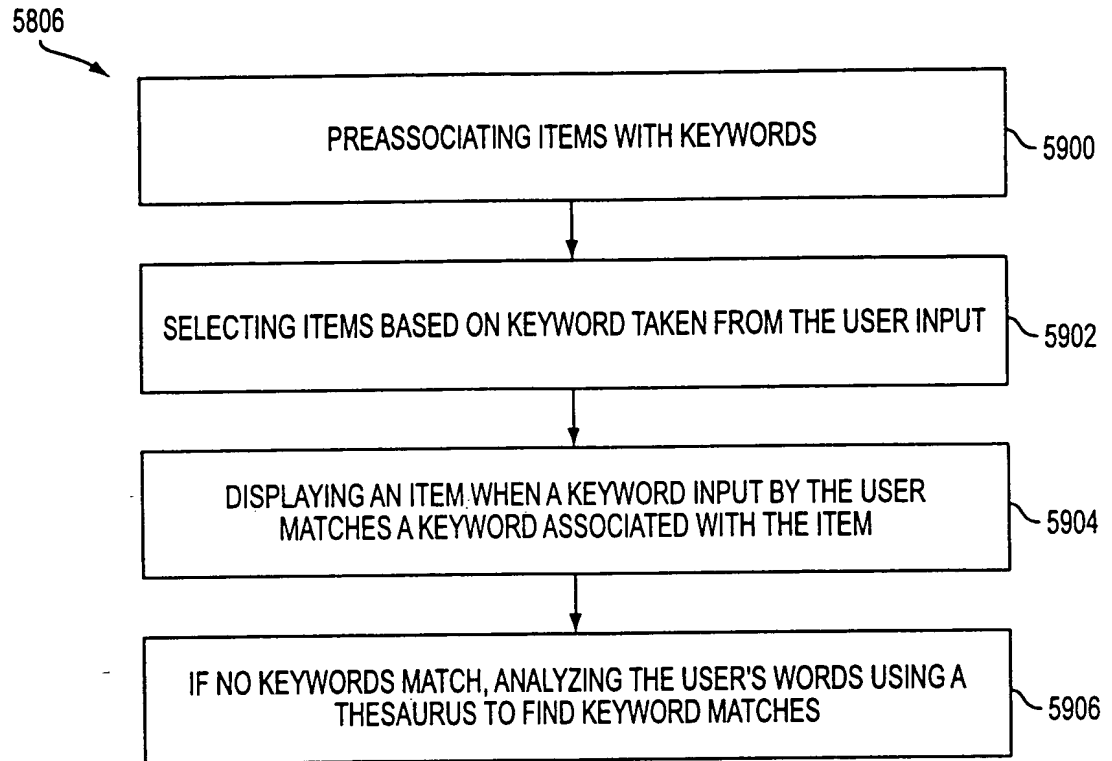


FIG. 59

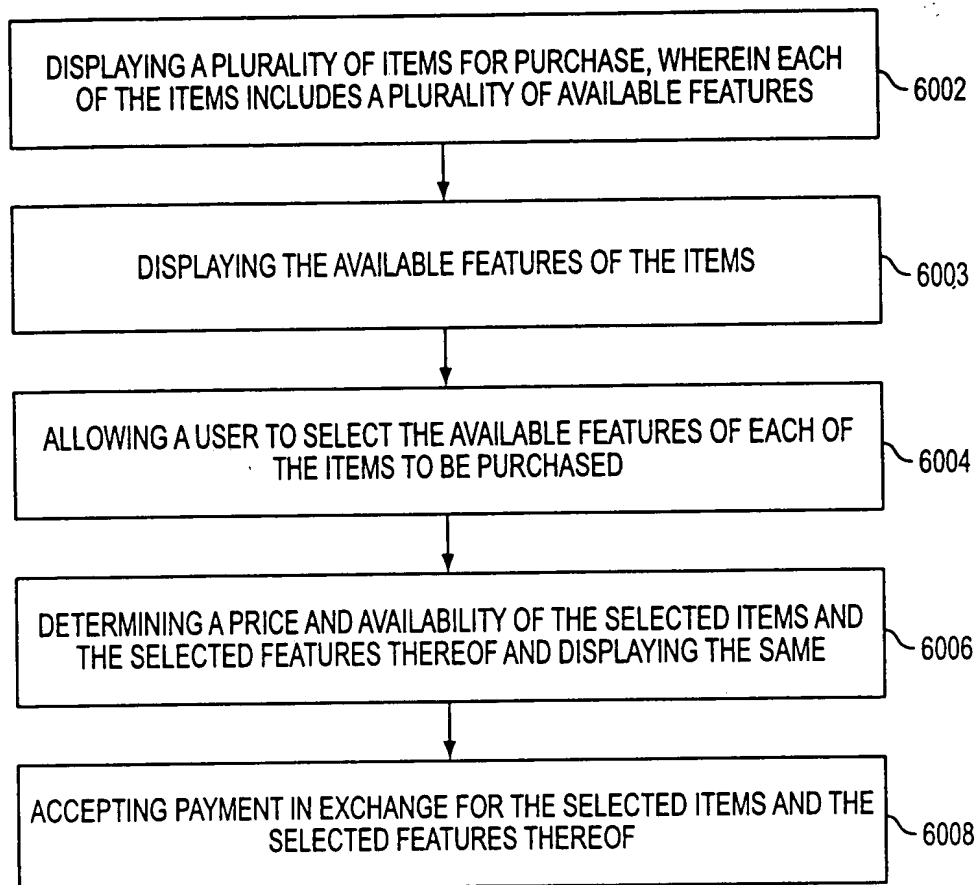


FIG. 60

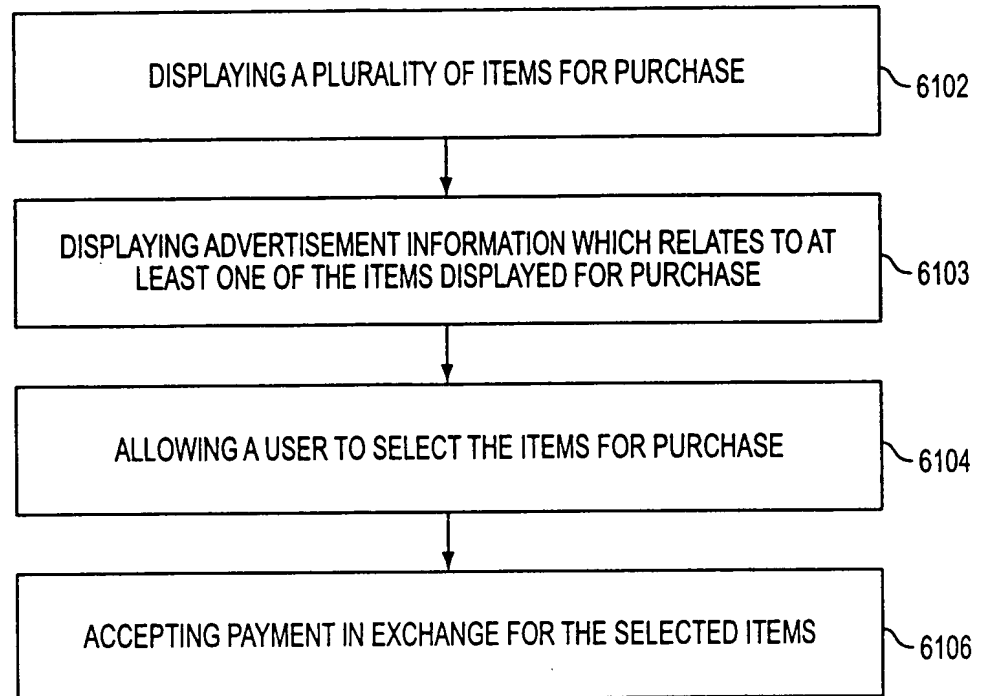


FIG. 61

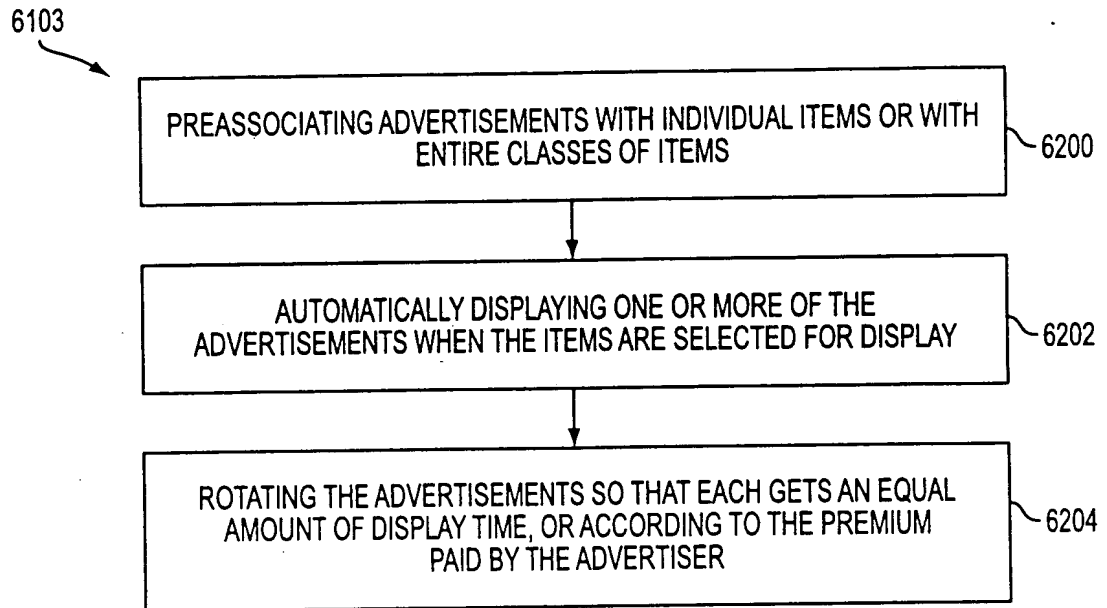


FIG. 62

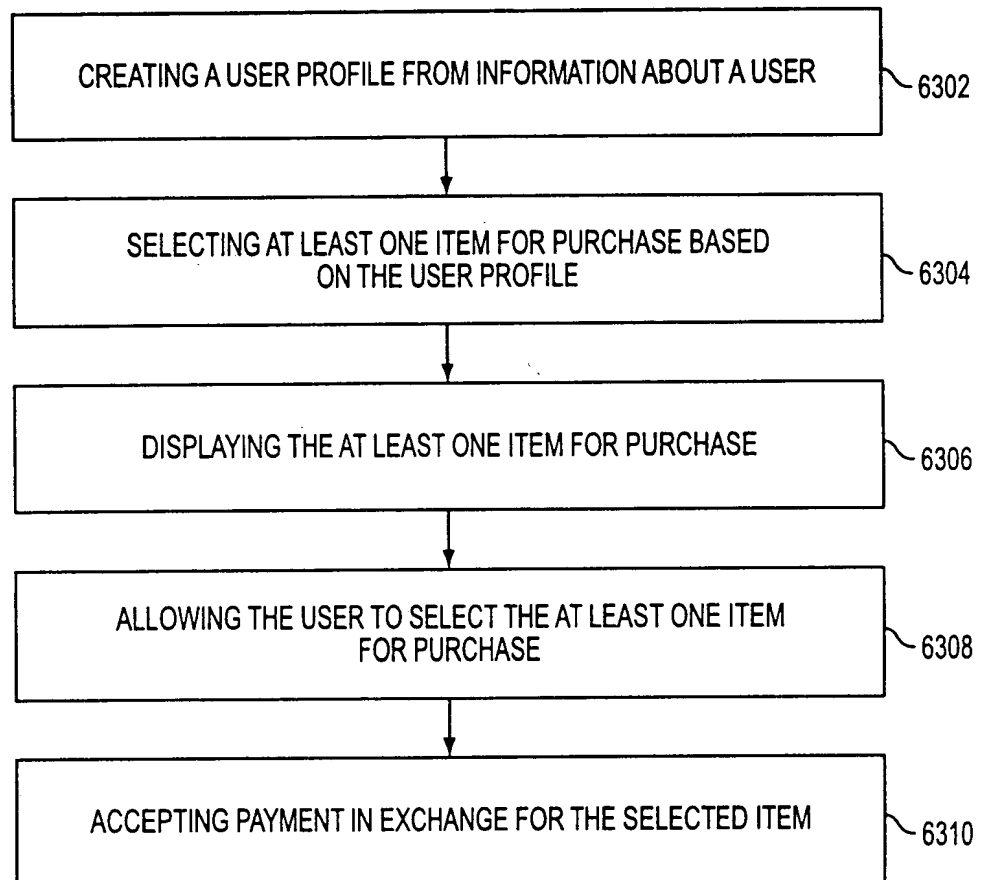


FIG. 63



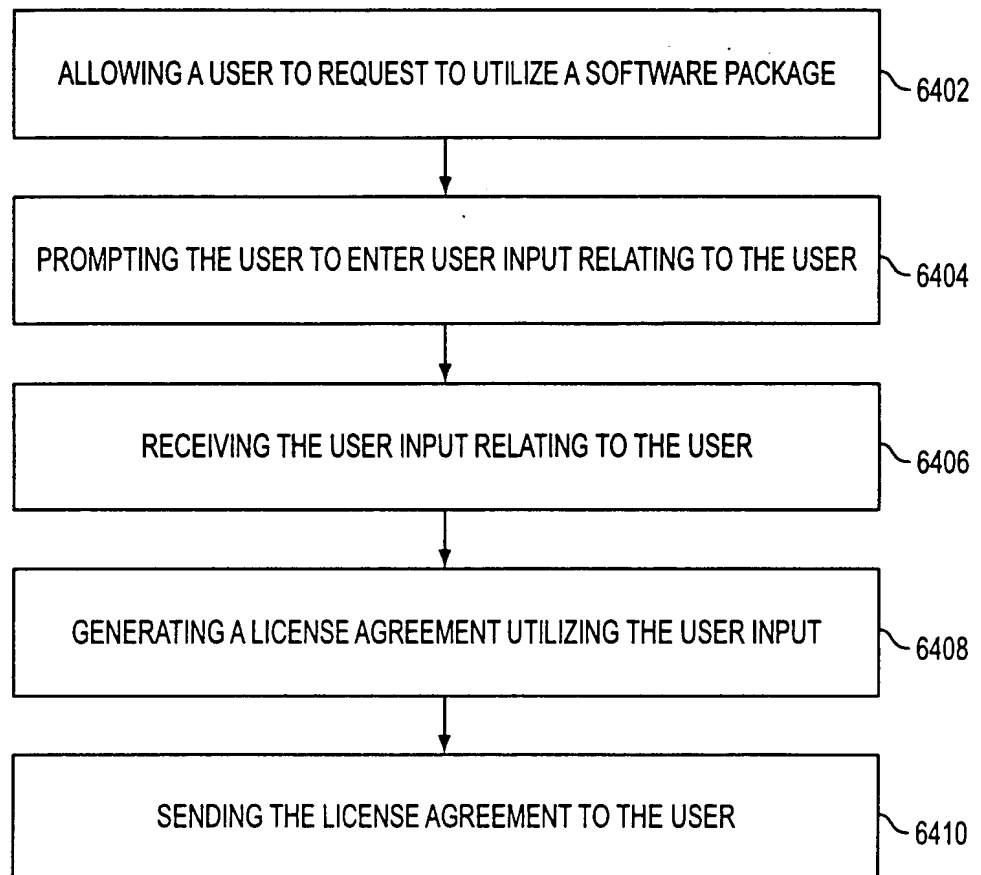


FIG. 64

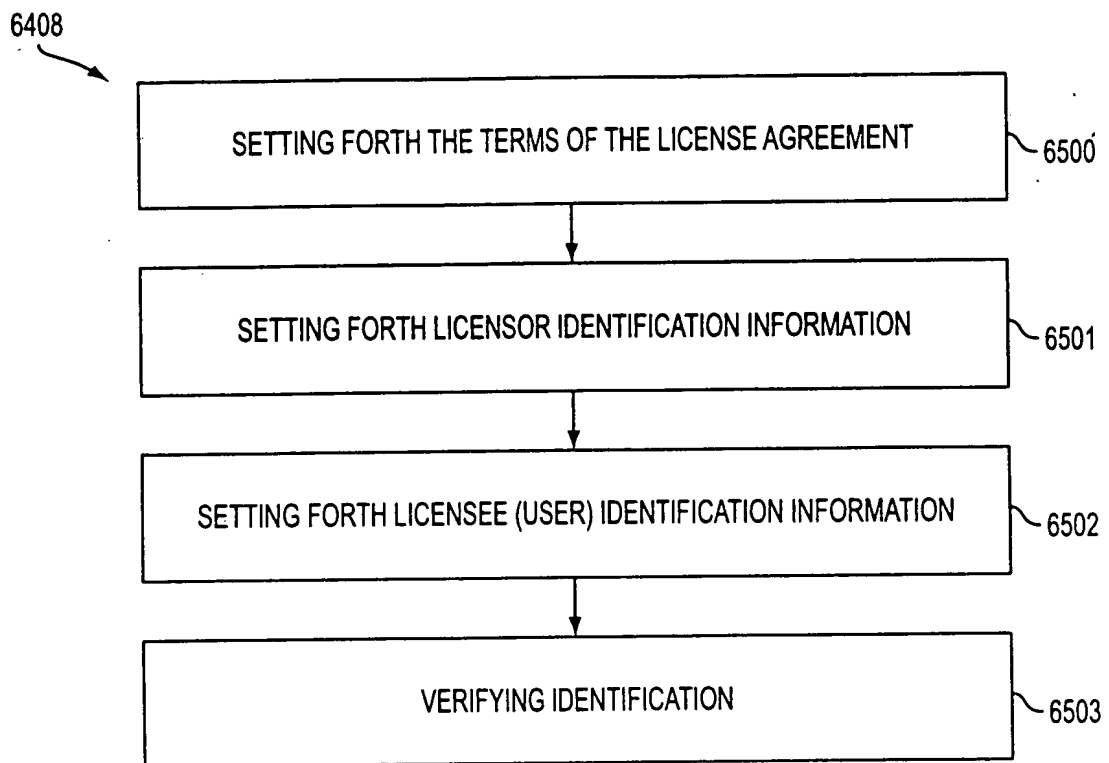


FIG. 65



5302

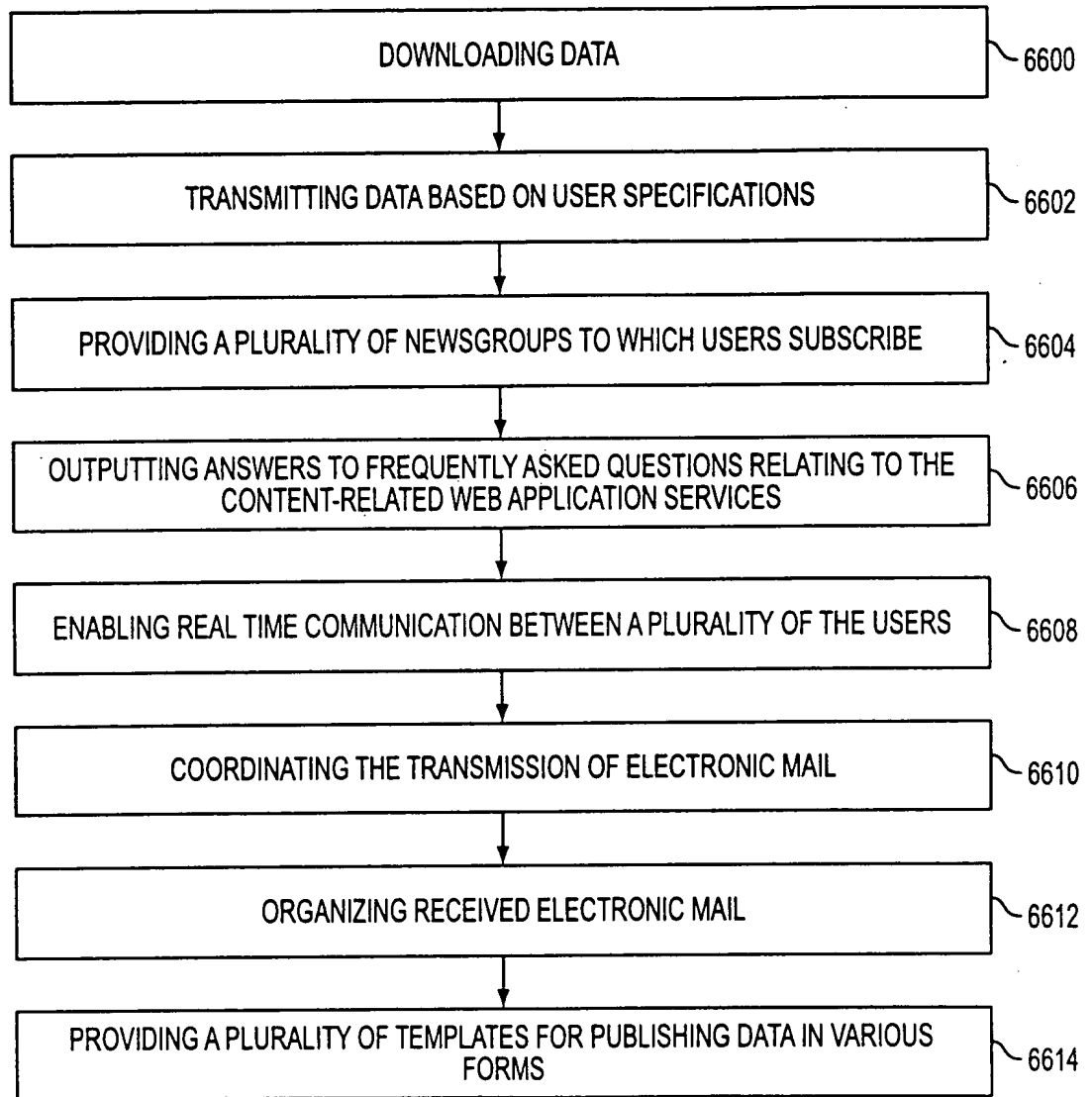


FIG. 66



5306

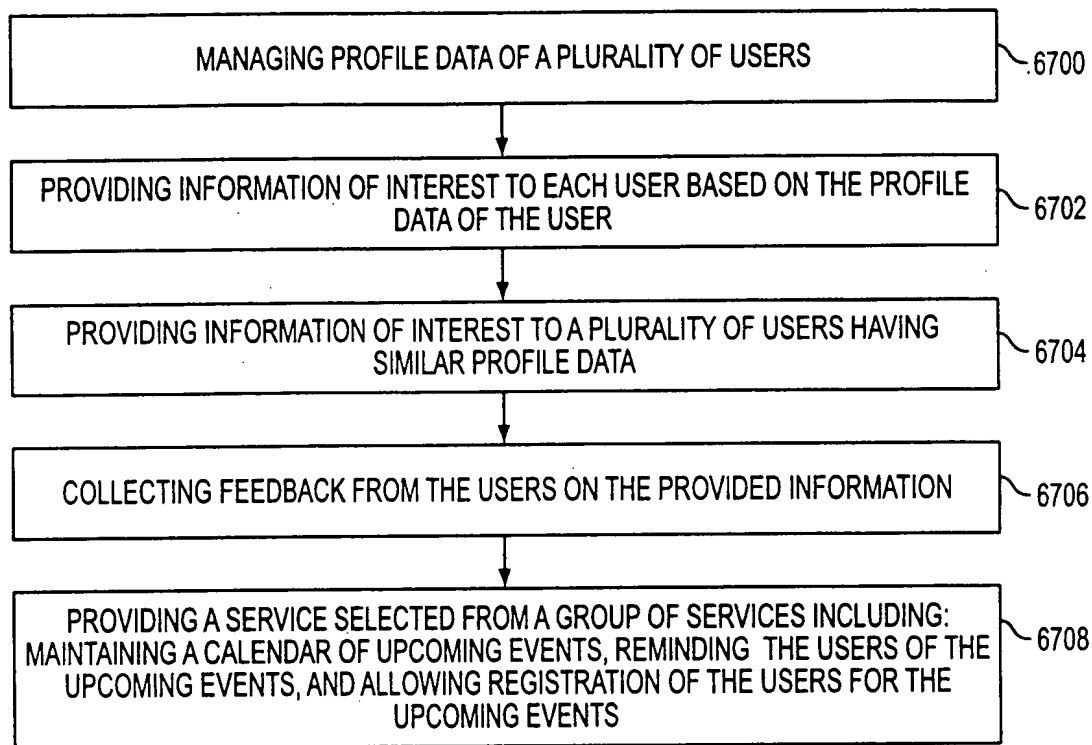


FIG. 67

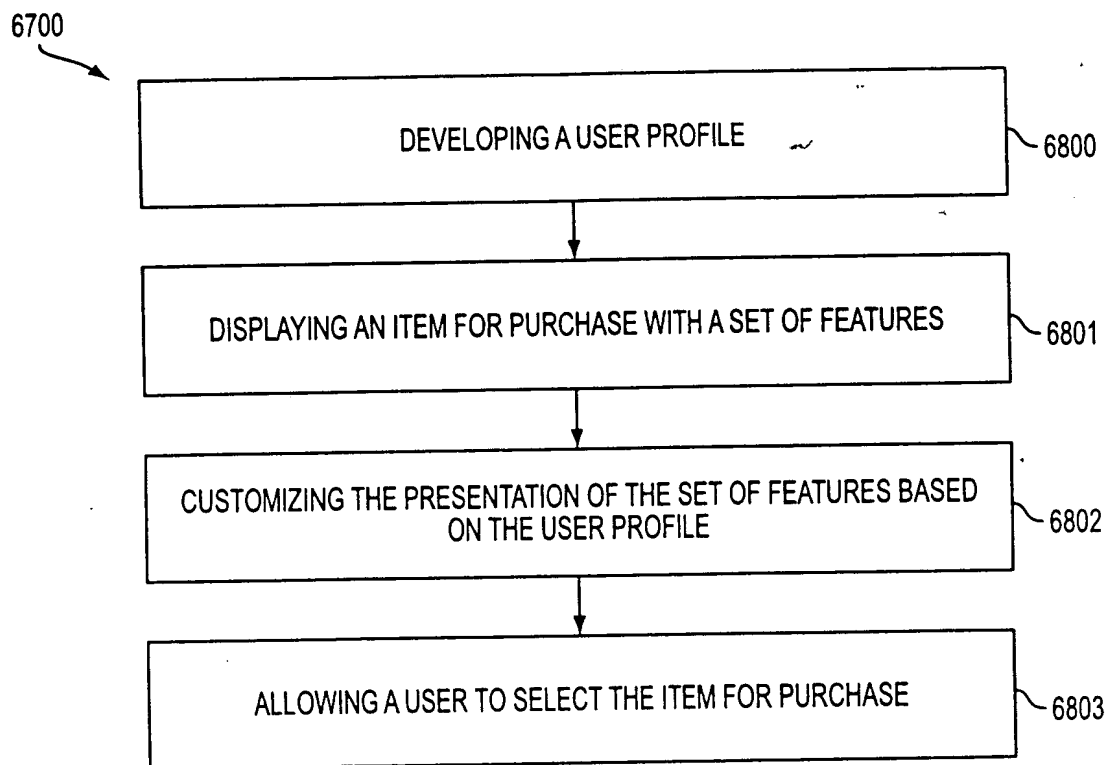


FIG. 68

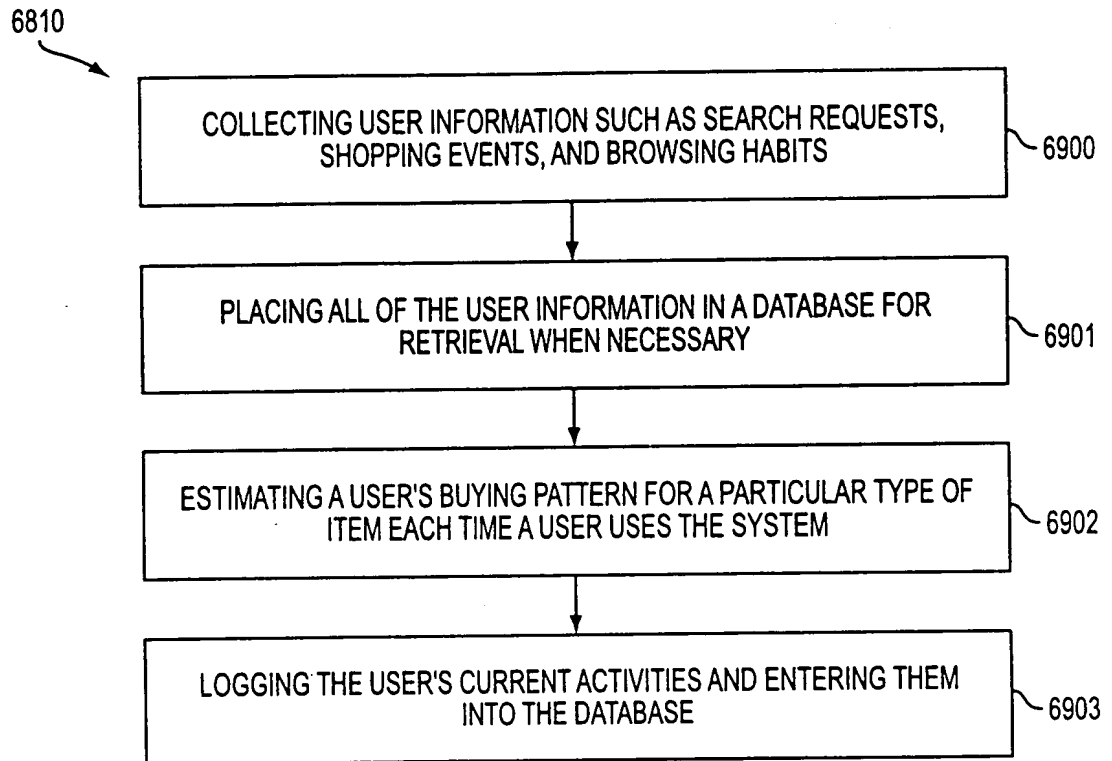


FIG. 69



5308

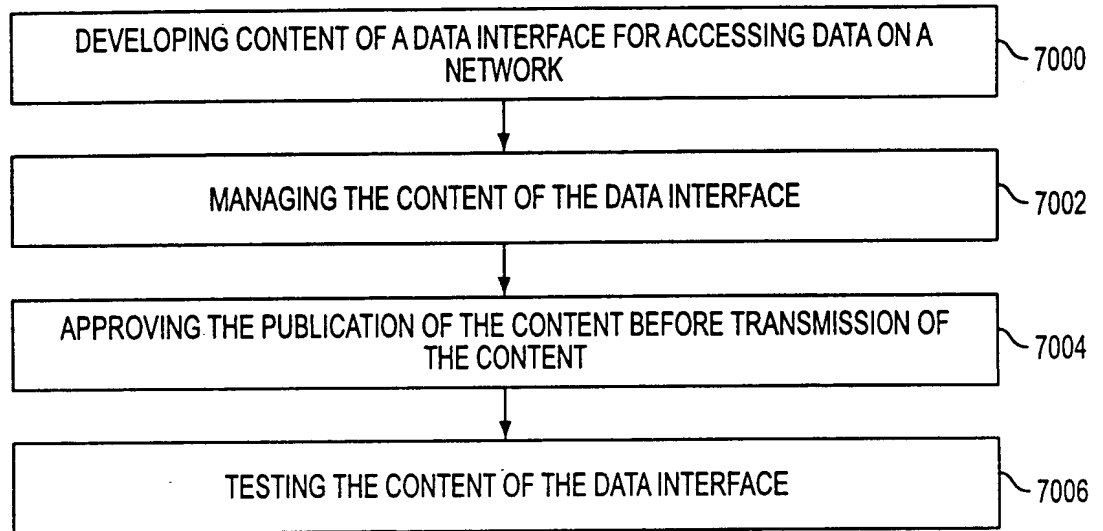


FIG. 70



5310

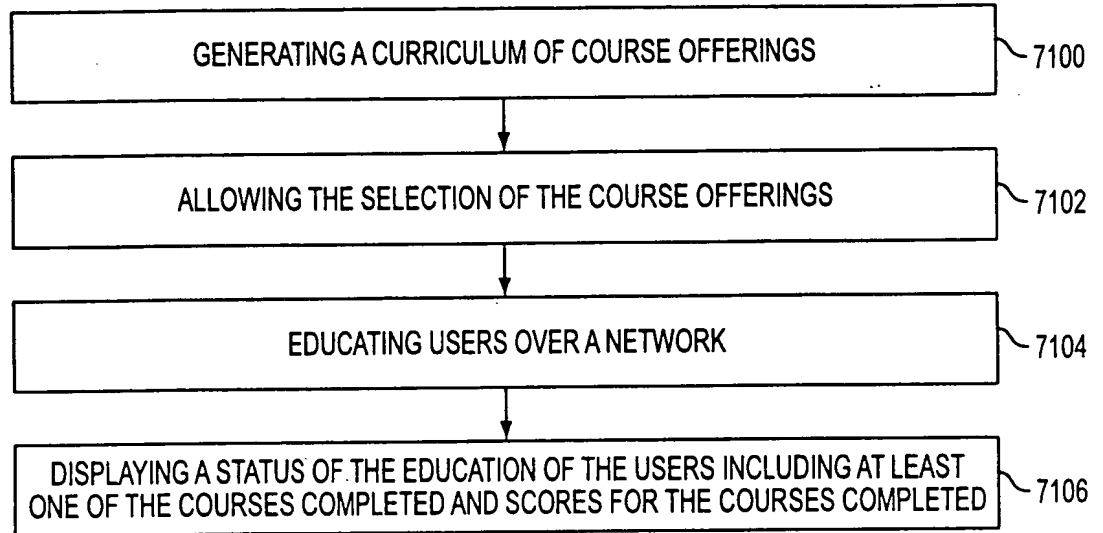


FIG. 71



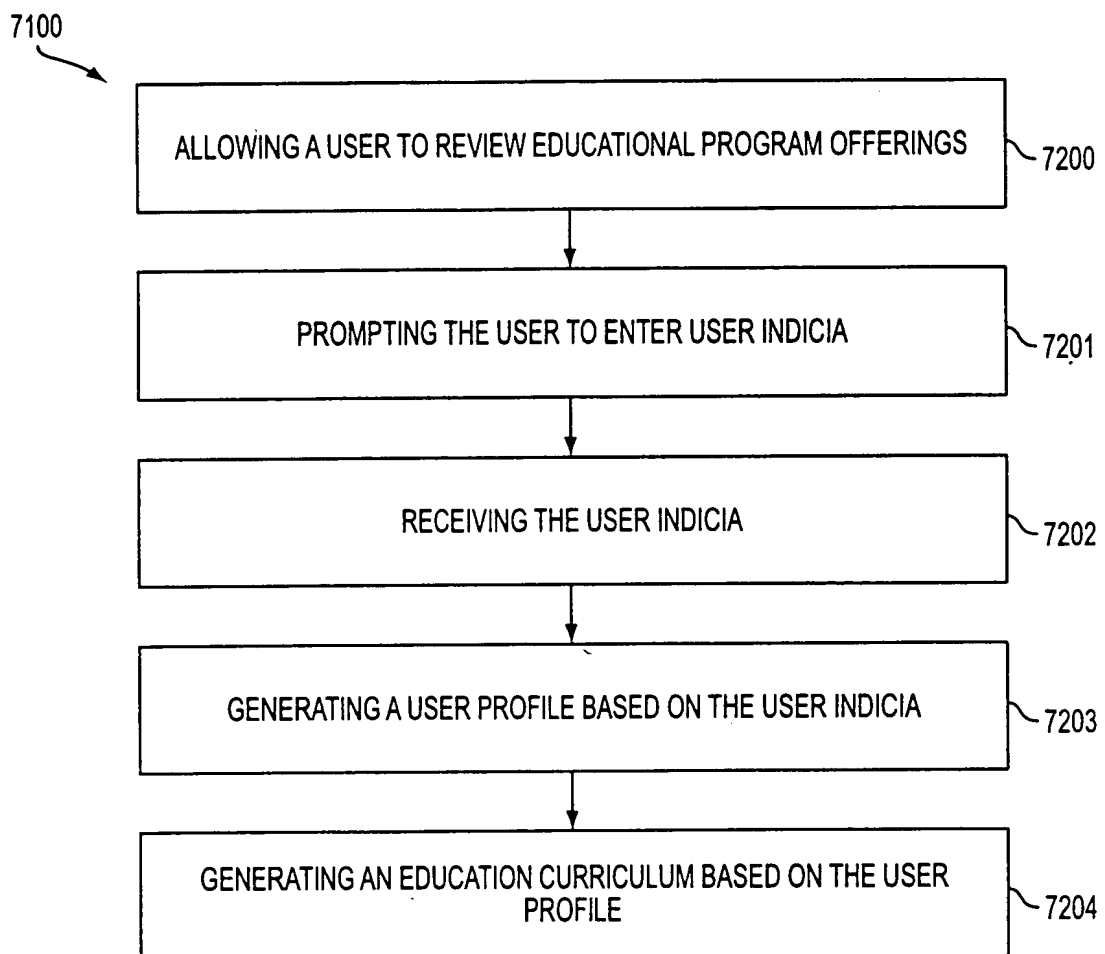


FIG. 72

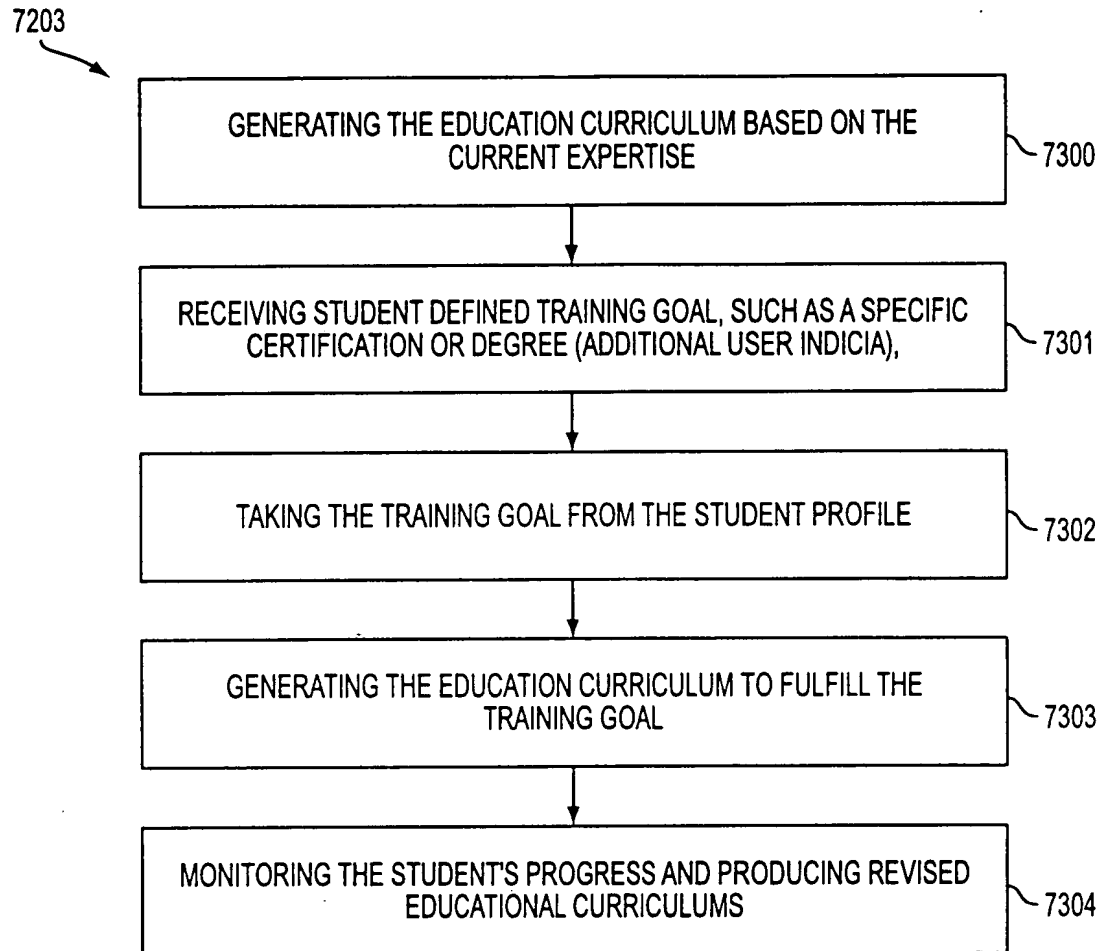


FIG. 73



5312

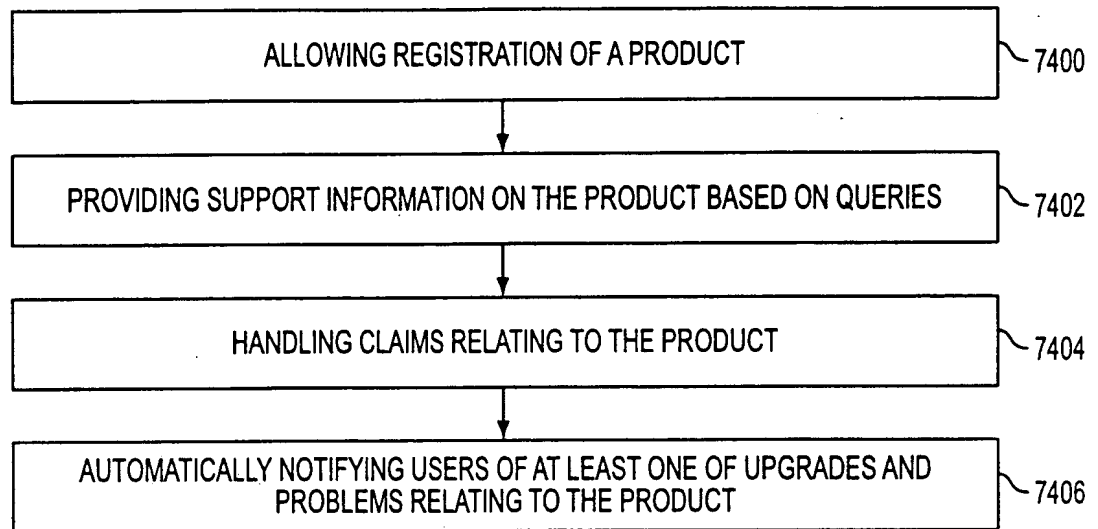


FIG. 74

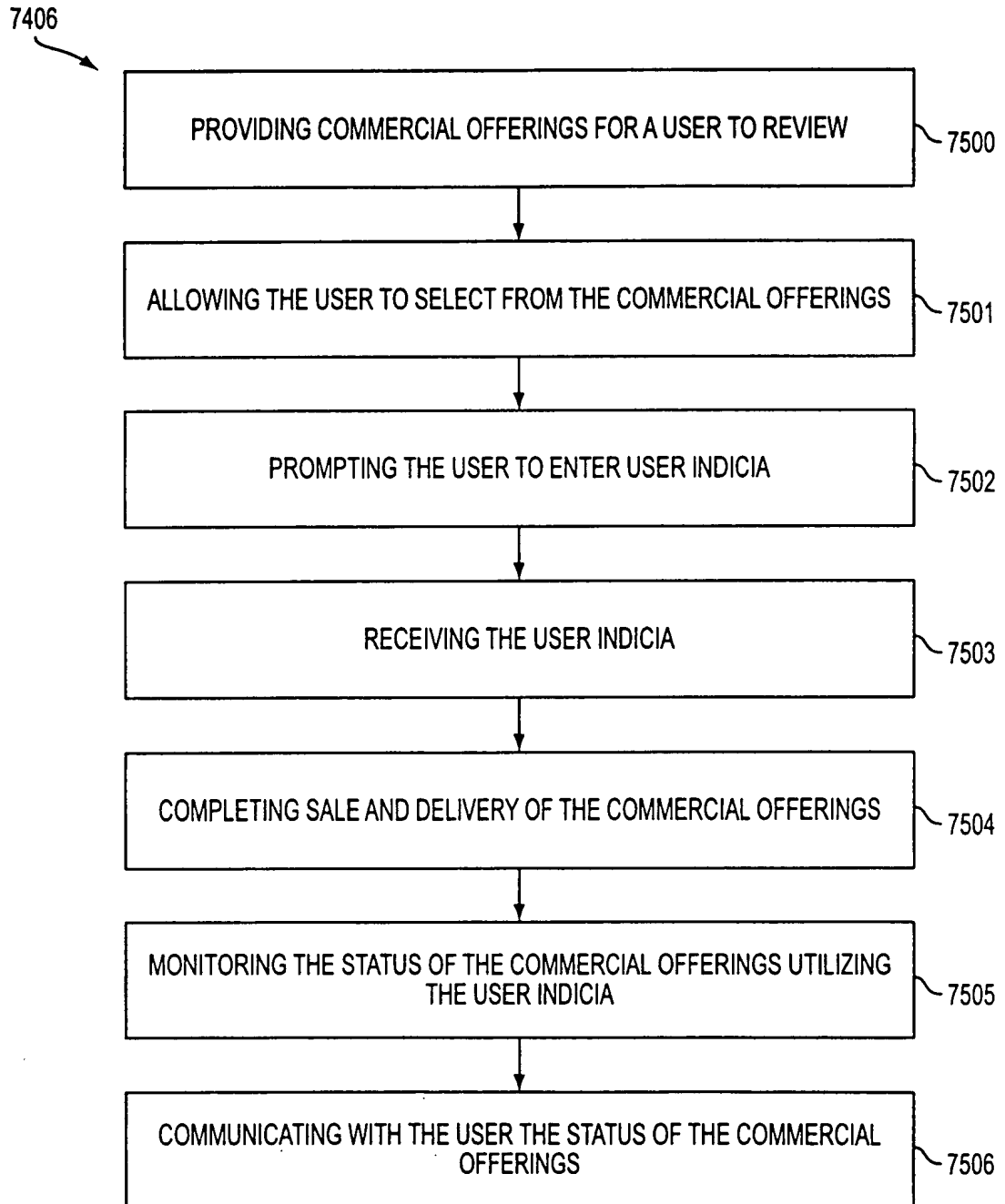


FIG. 75

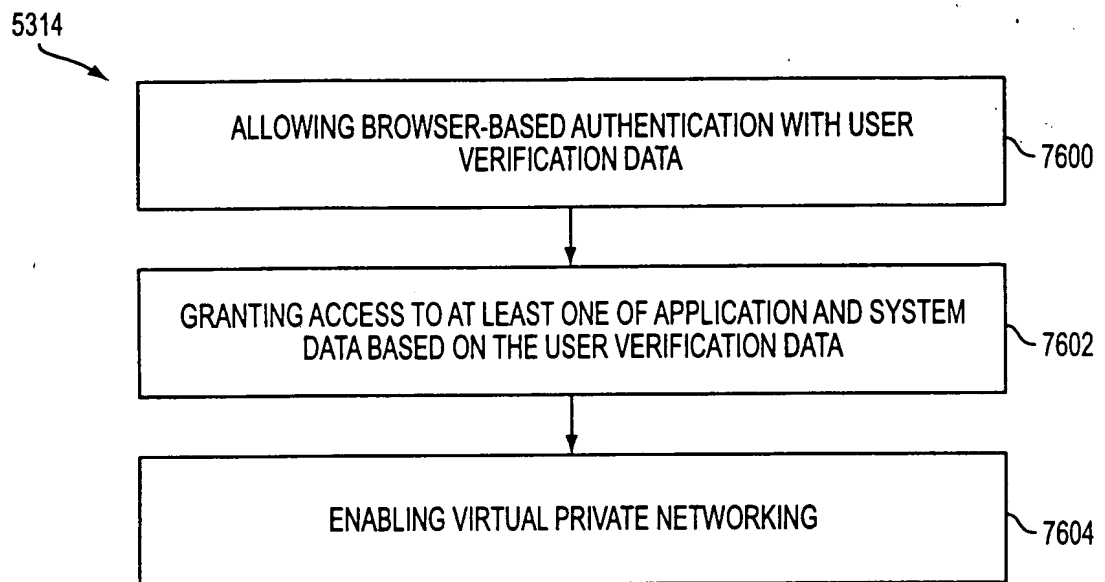


FIG. 76



5316

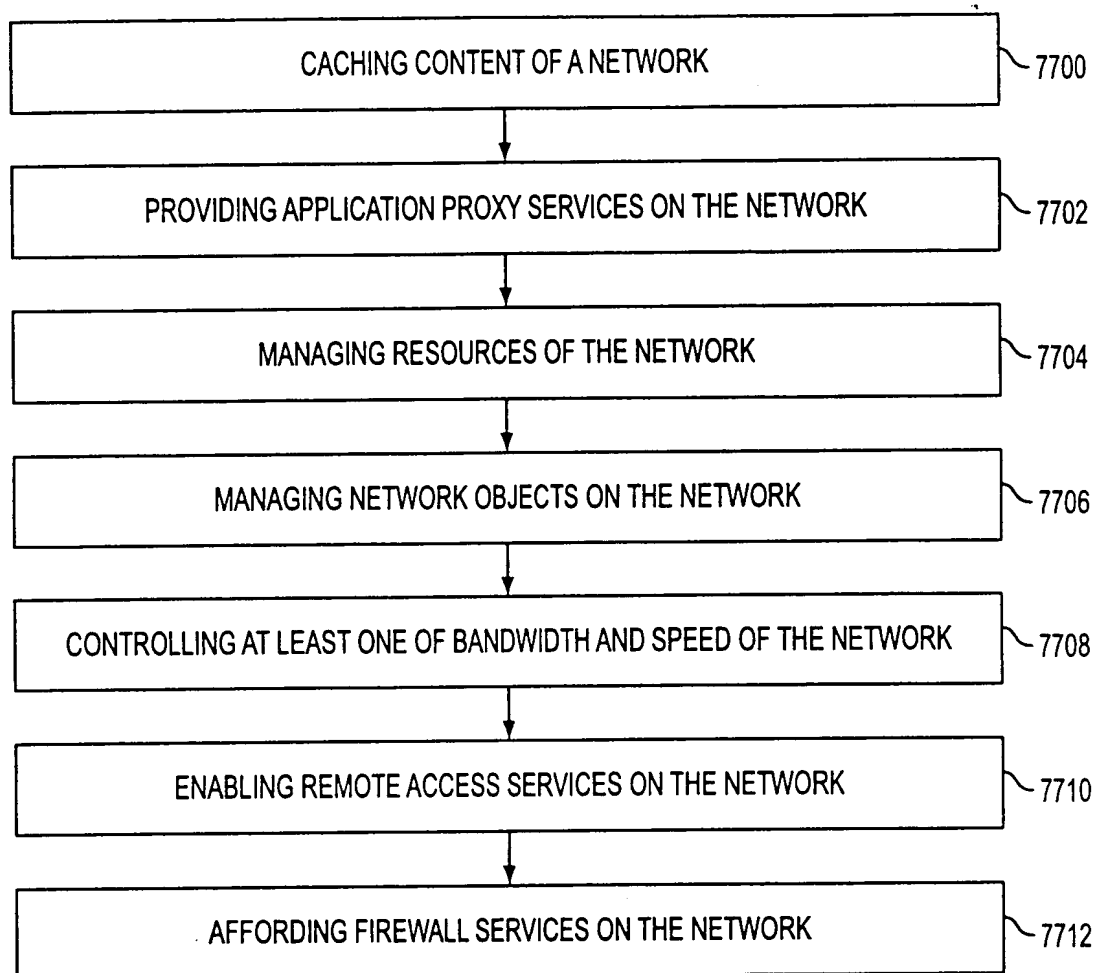


FIG. 77

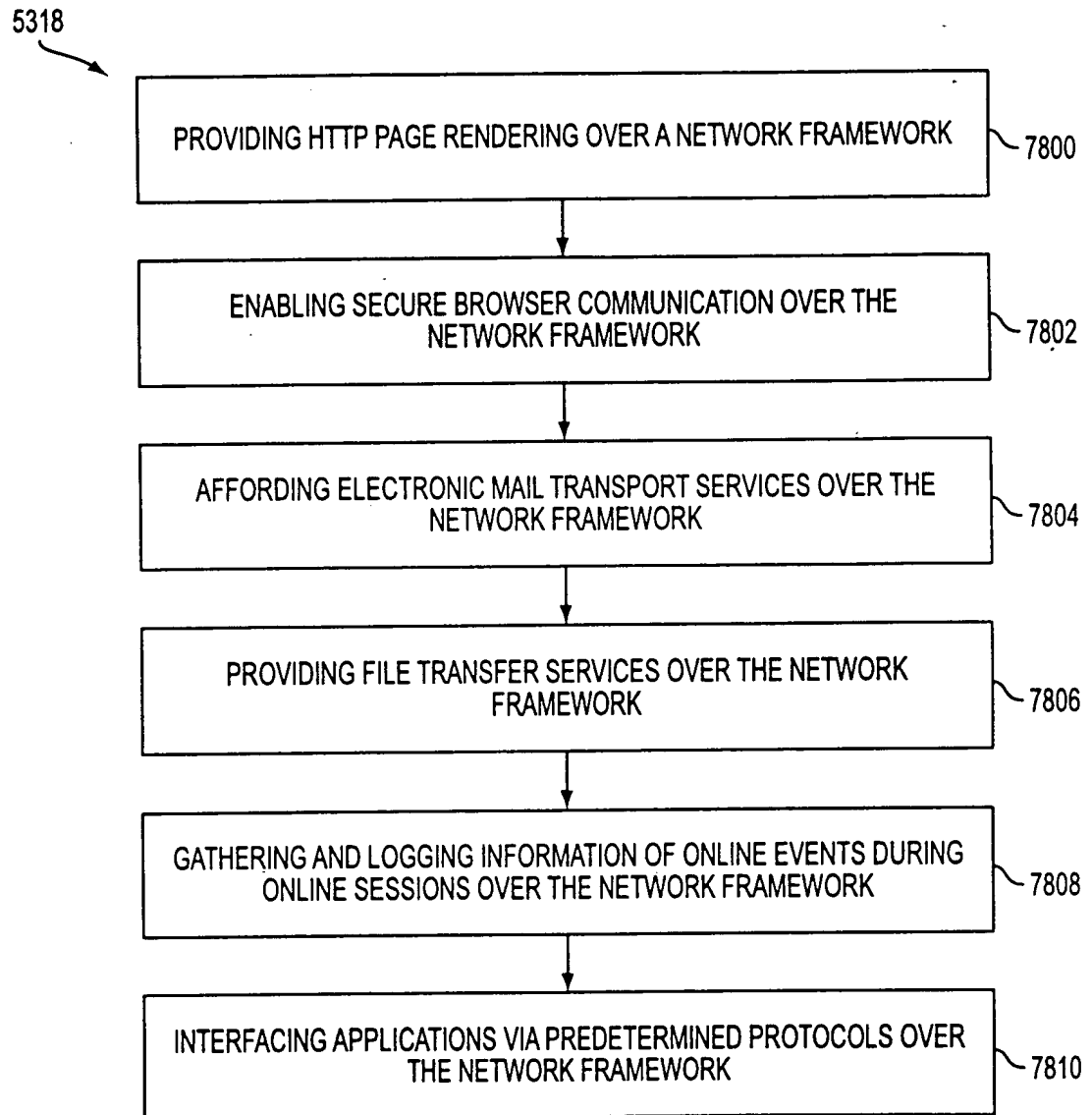


FIG. 78



5320

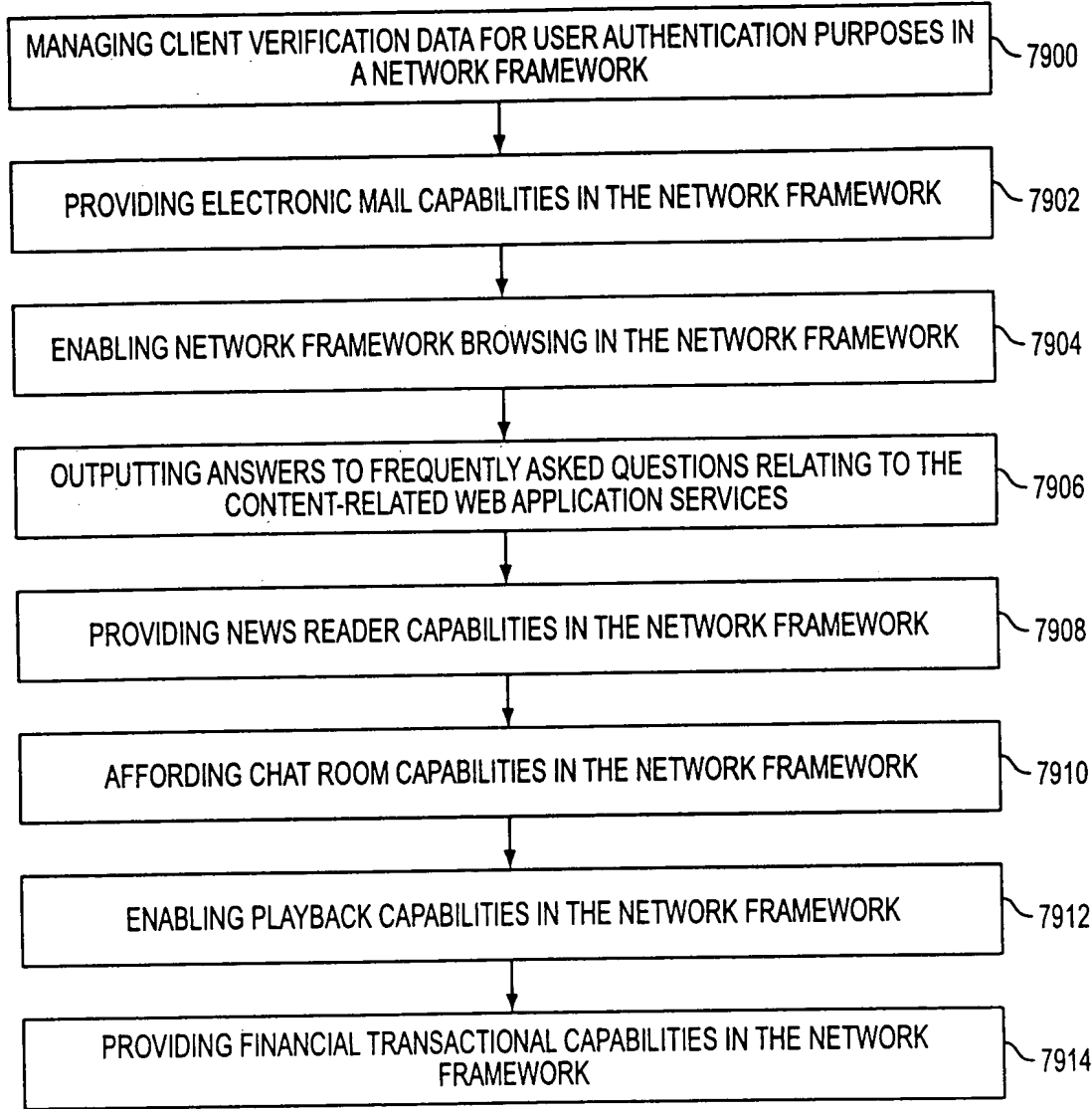


FIG. 79



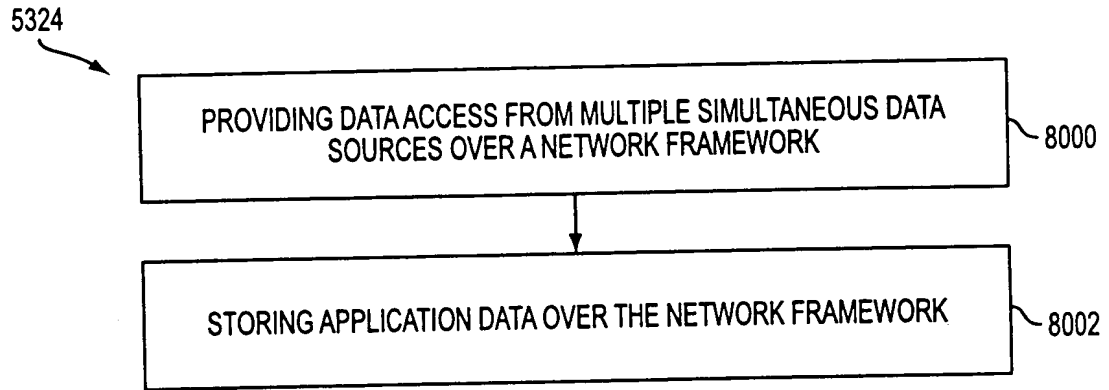


FIG. 80

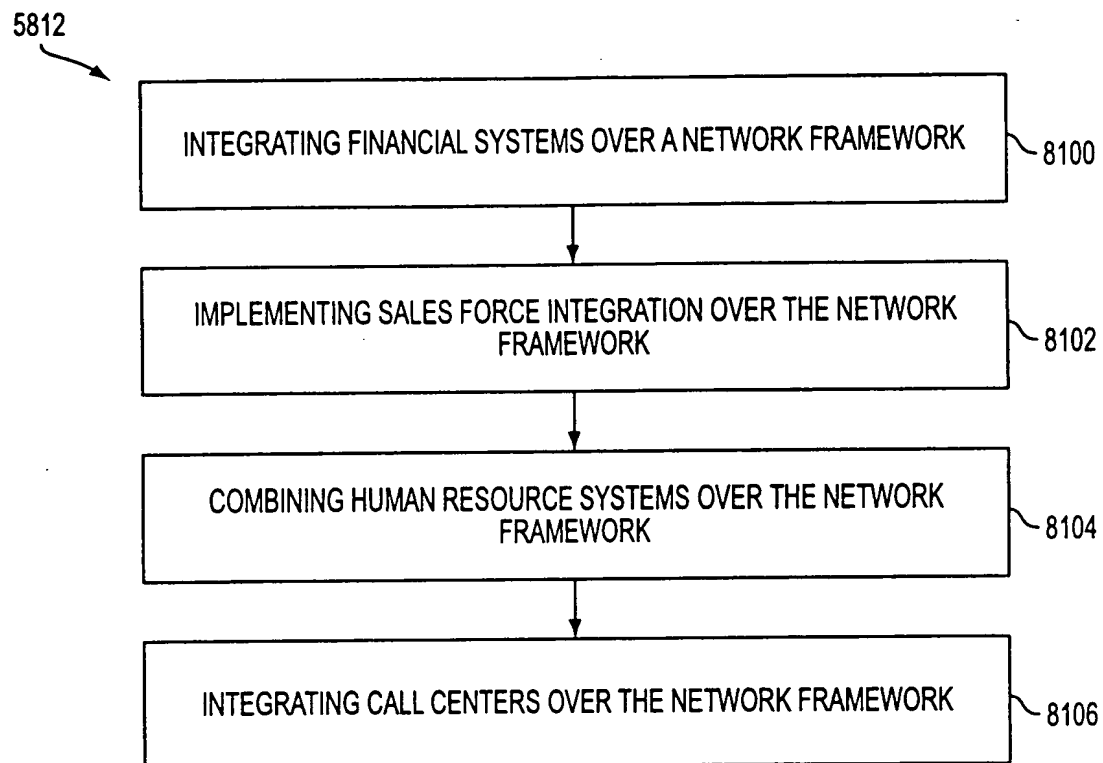


FIG. 81

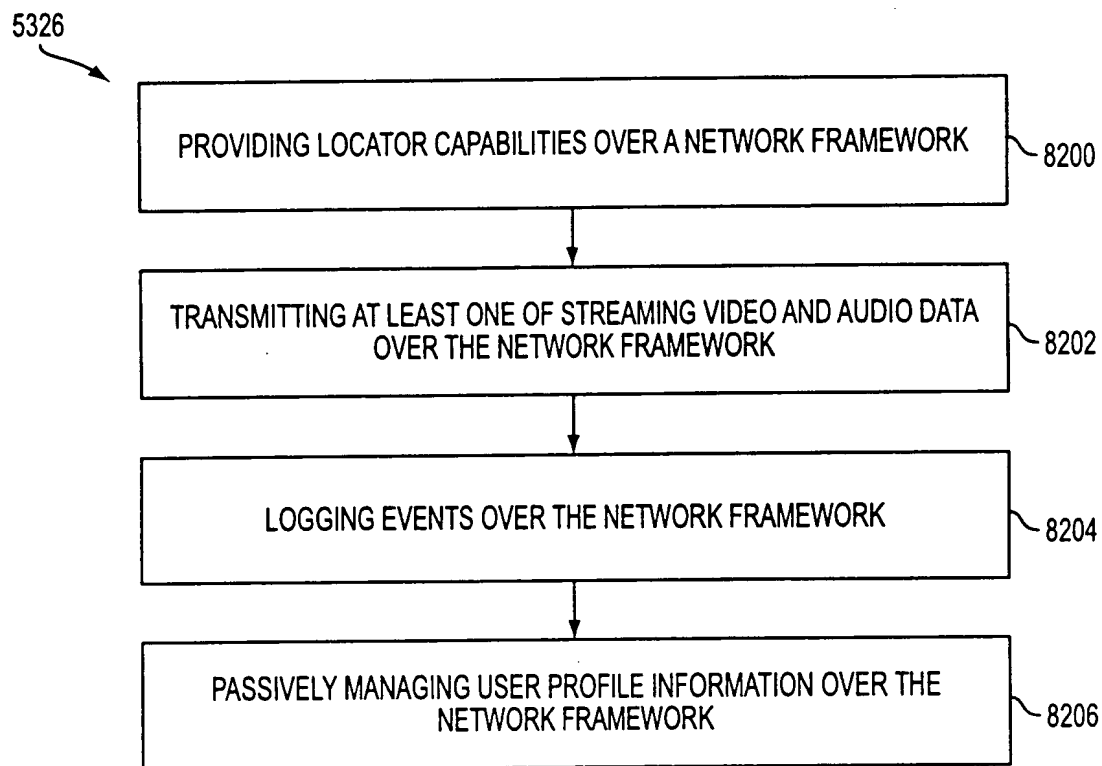


FIG. 82



5328

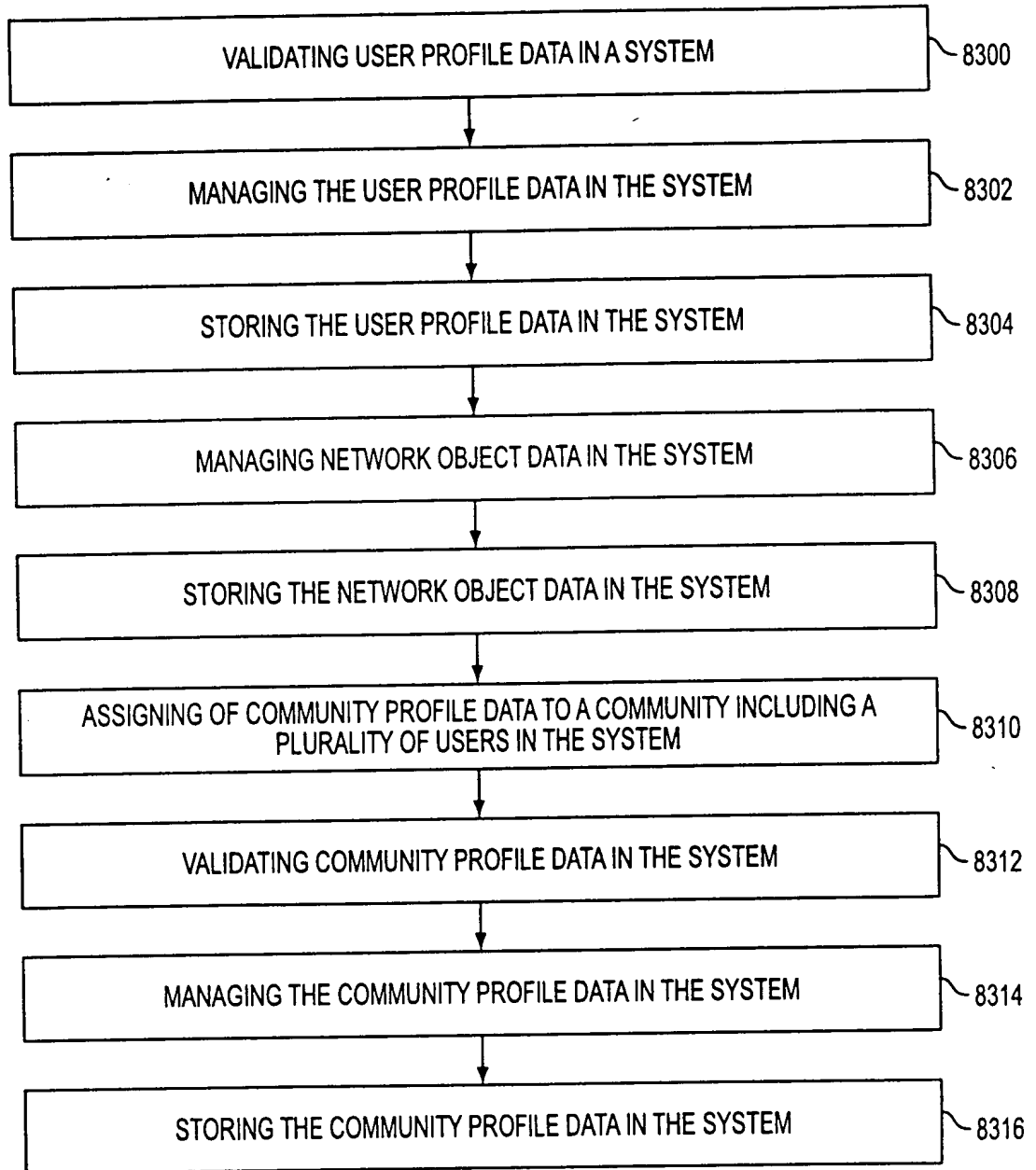


FIG. 83



5330

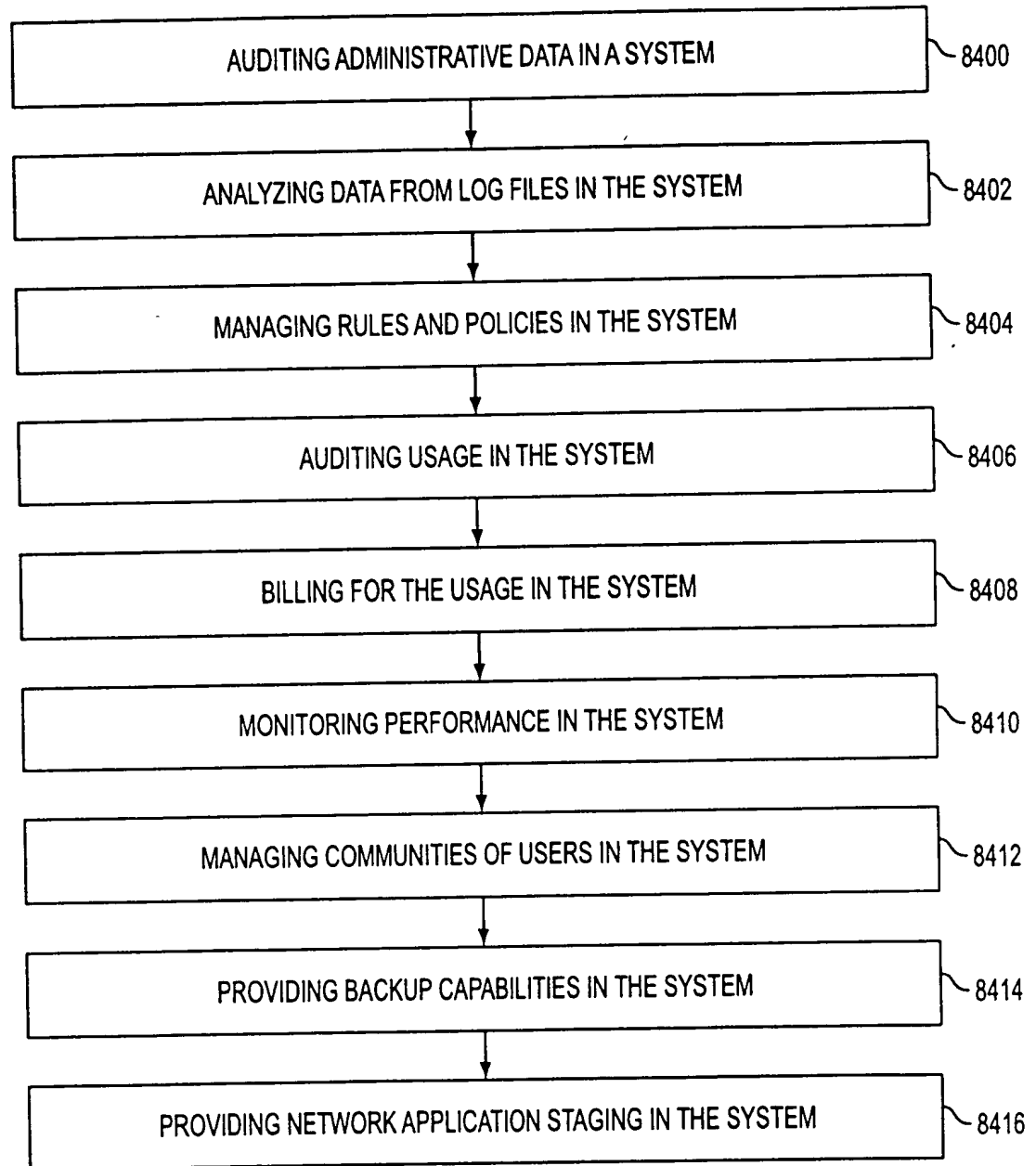


FIG. 84

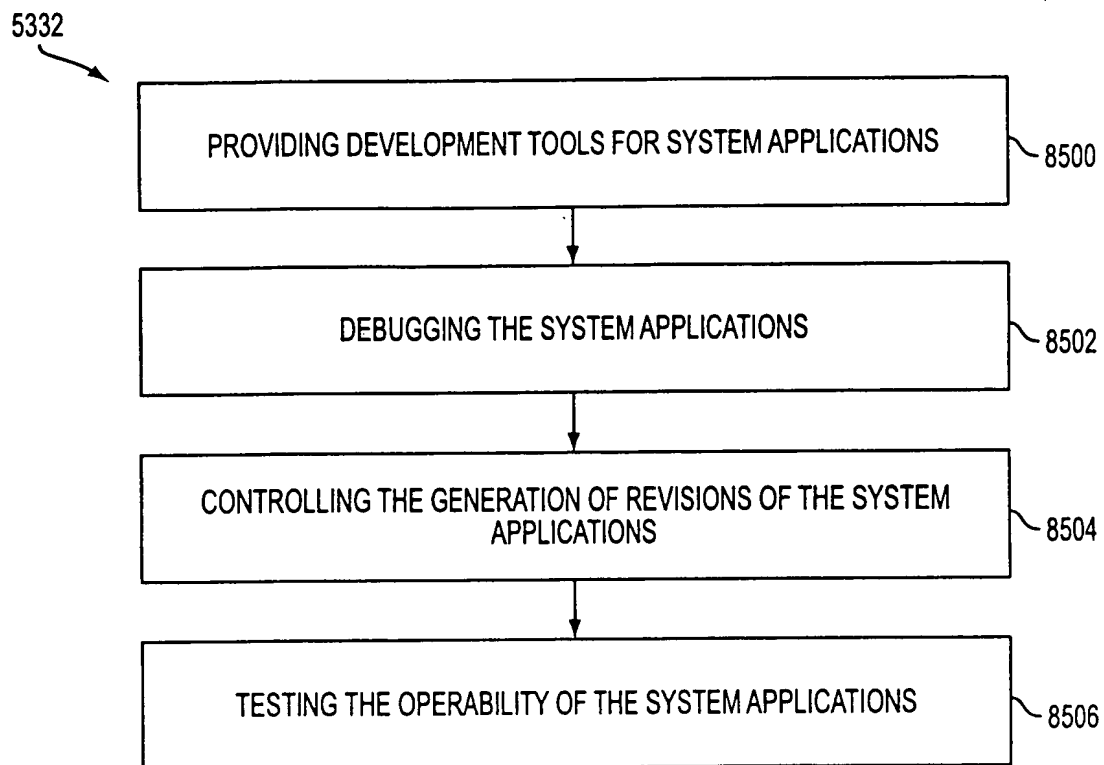


FIG. 85

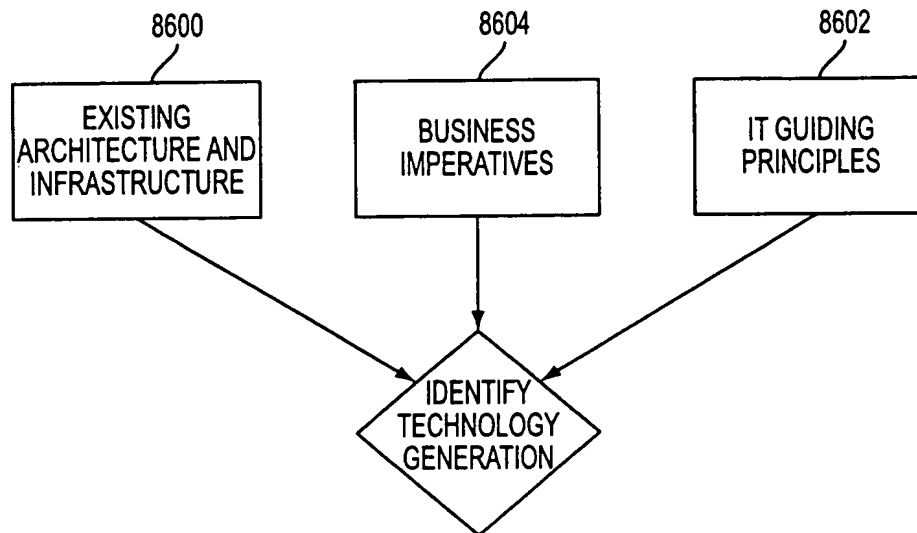


FIG. 86

- B1. THE CLIENT NEEDS TO REACH A NEW EXTERNAL AUDIENCE WITH THIS APPLICATION.  
B2. THE CLIENT NEEDS TO REACH A LARGE OR DIVERSE INTERNAL AUDIENCE WITH THIS APPLICATION.

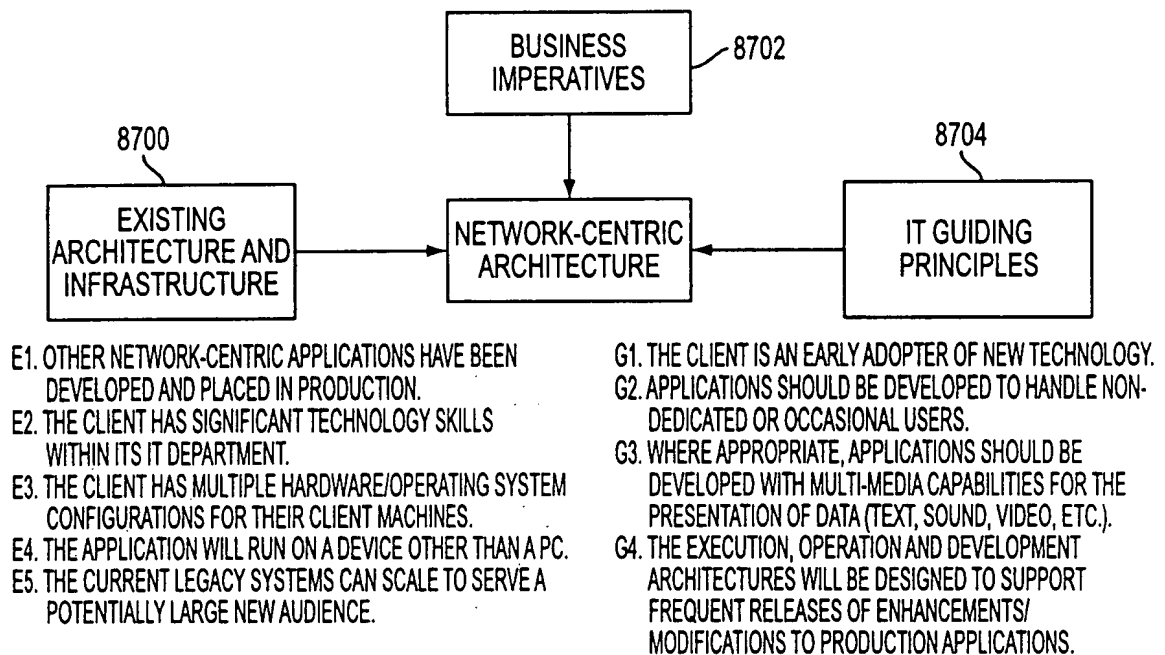
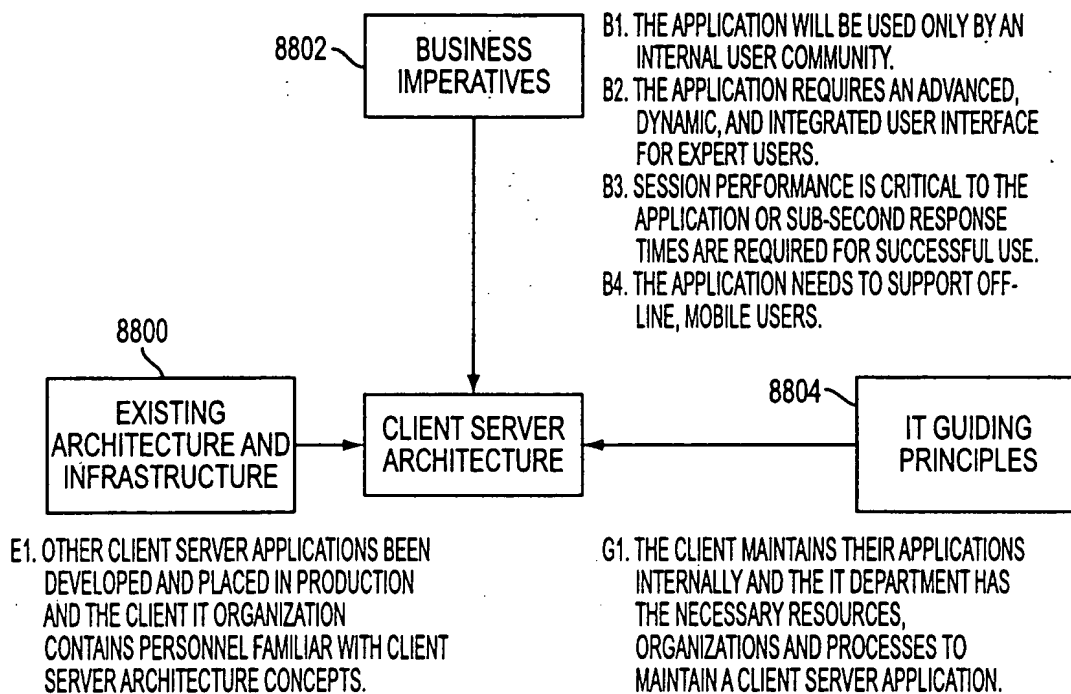
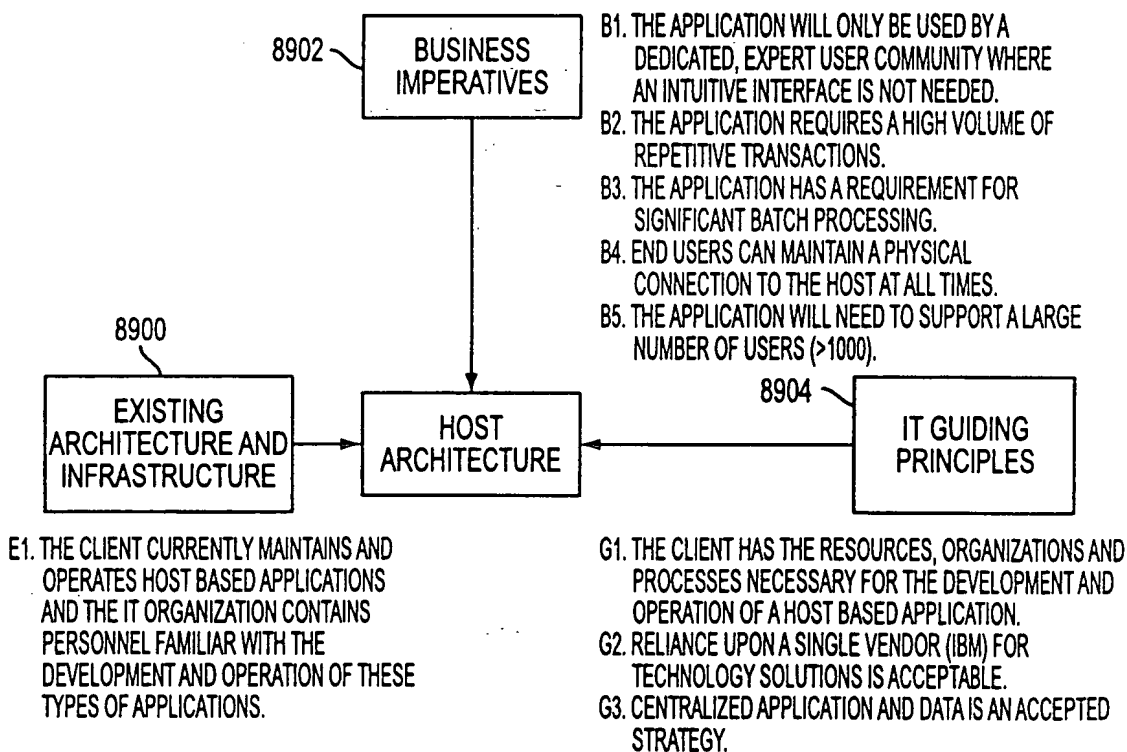


FIG. 87



**FIG. 88**



**FIG. 89**



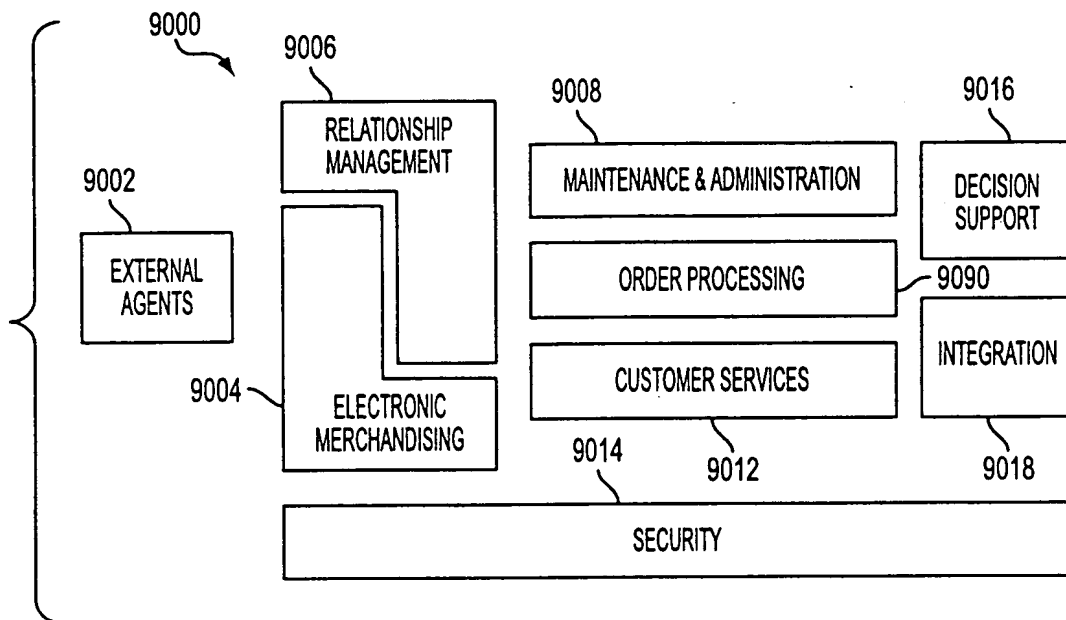


FIG. 90

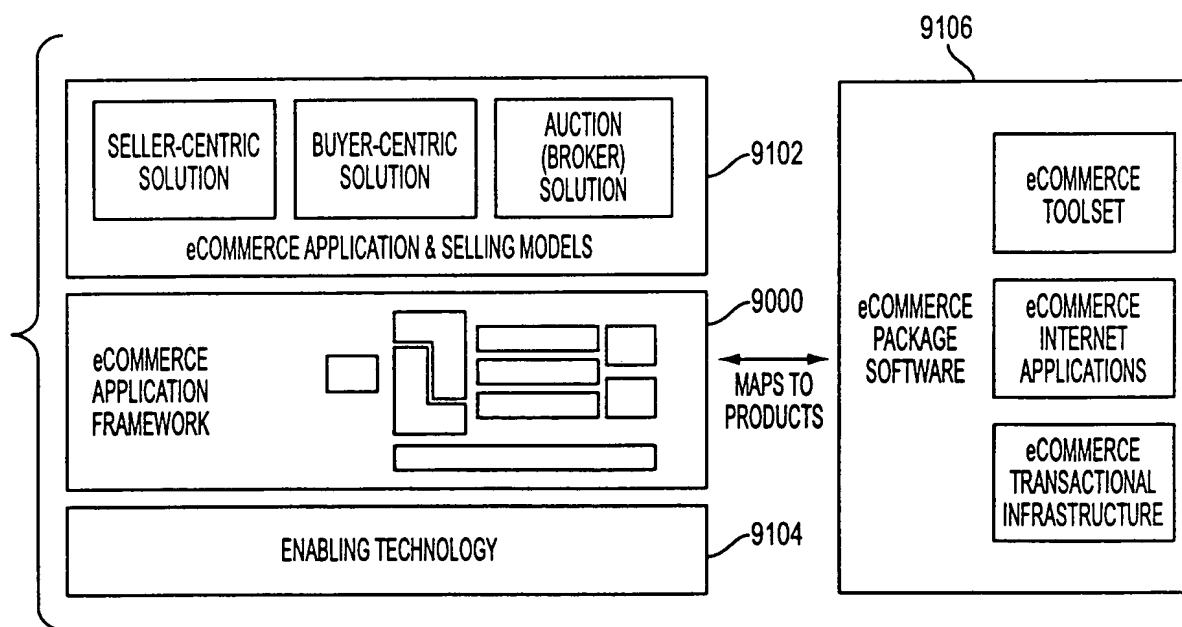


FIG. 91

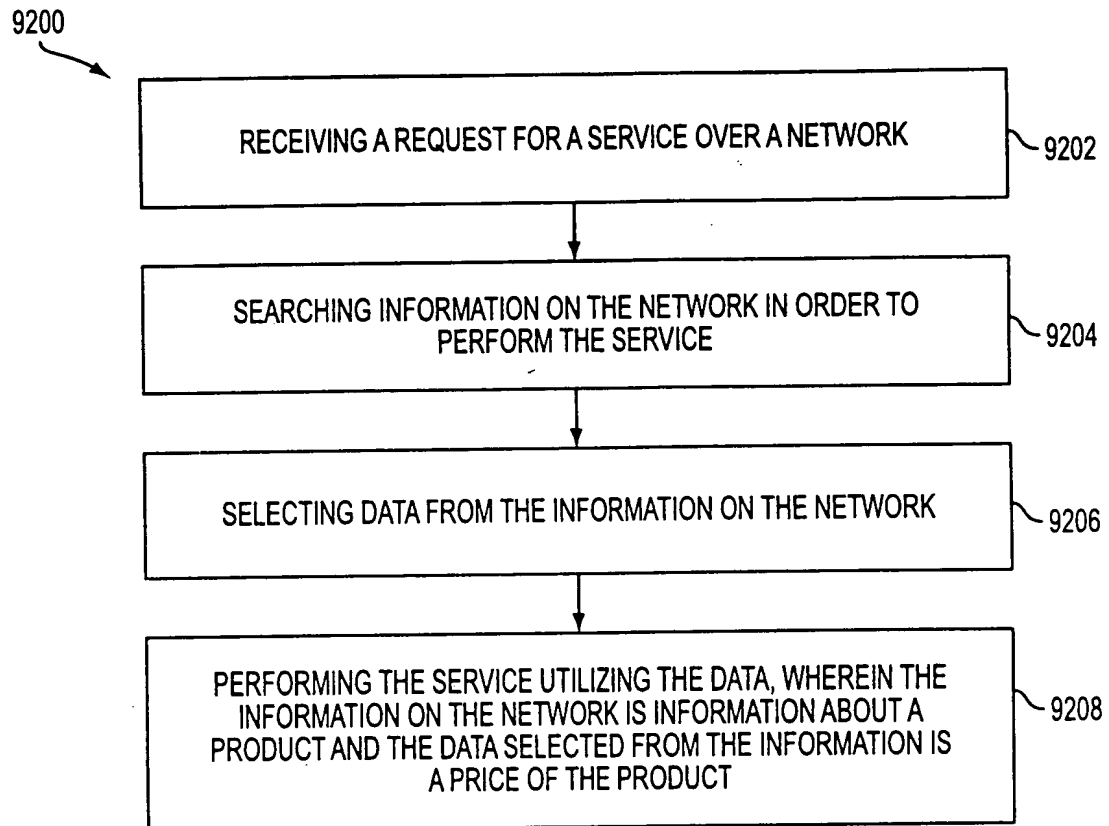


FIG. 92



1002



FIG. 93

9004

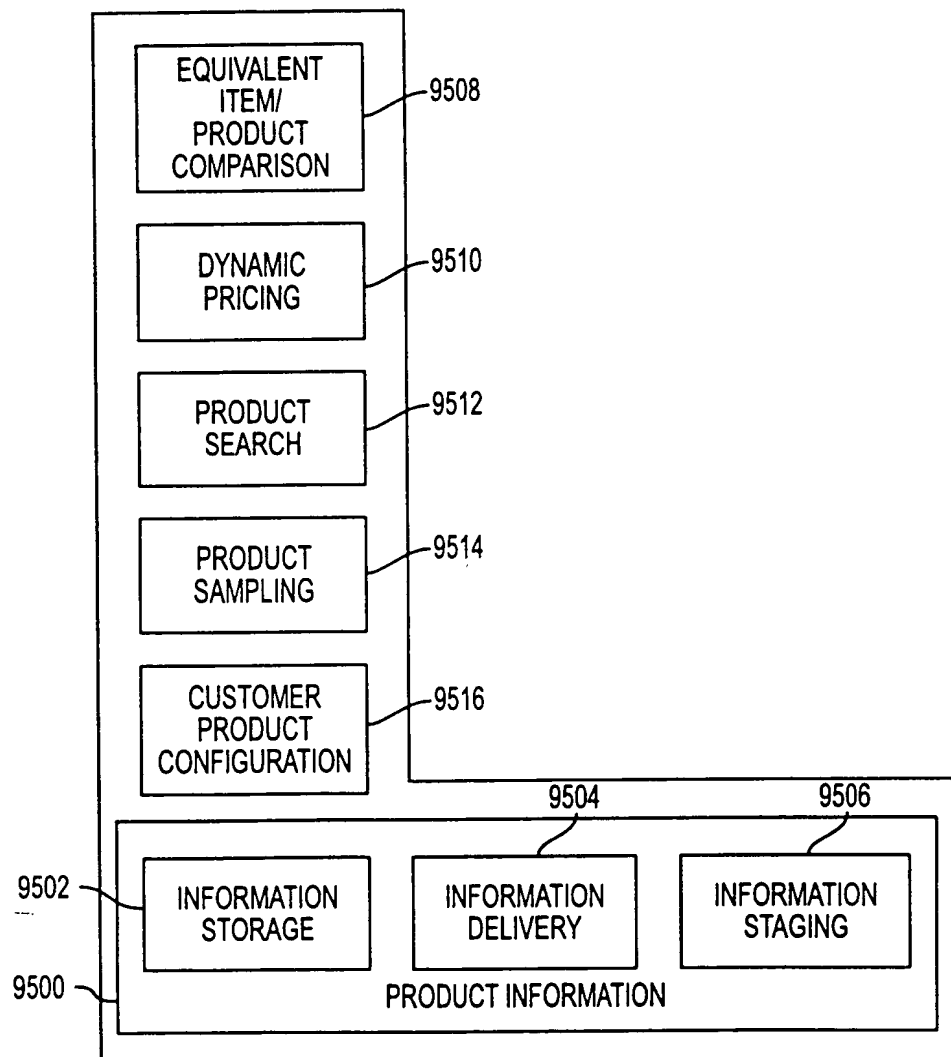


FIG. 95

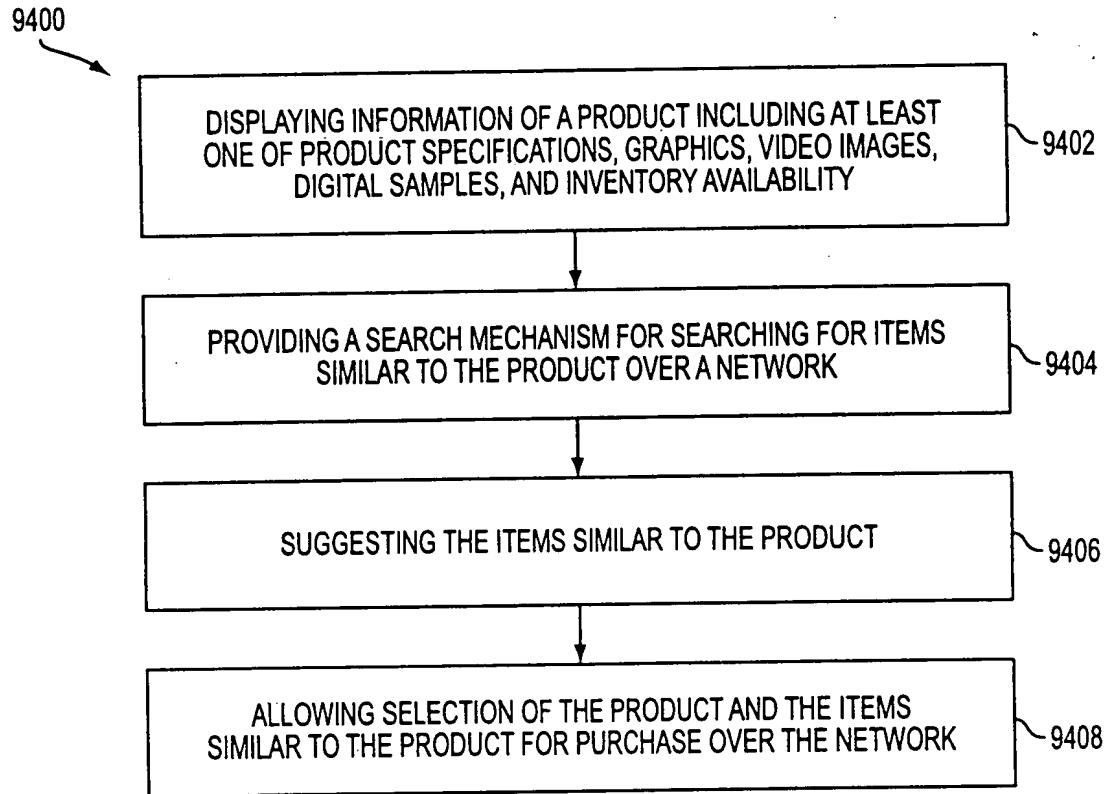


FIG. 94



9600

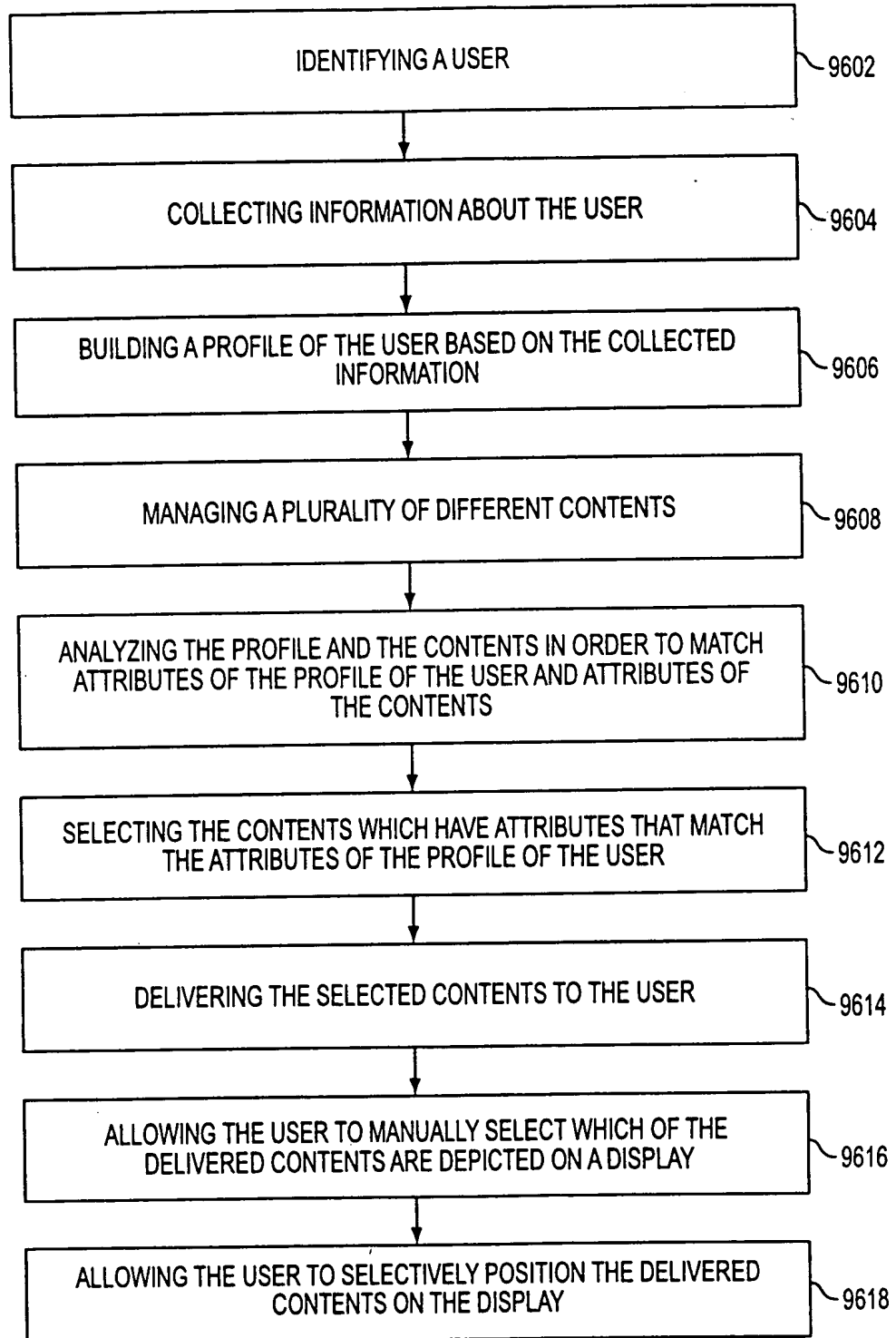


FIG. 96

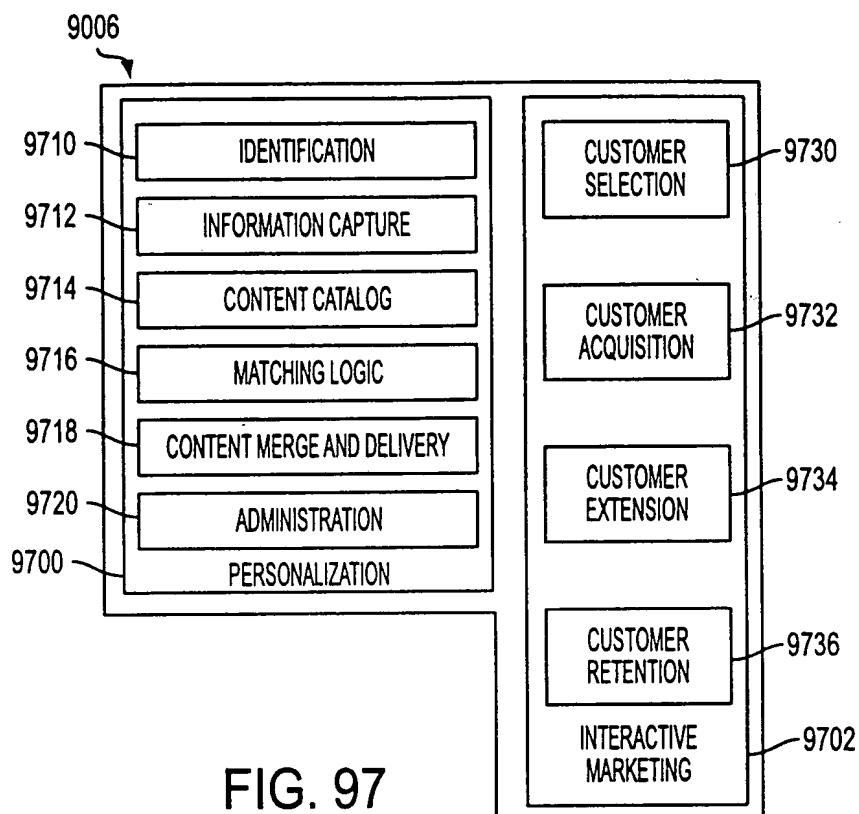


FIG. 97

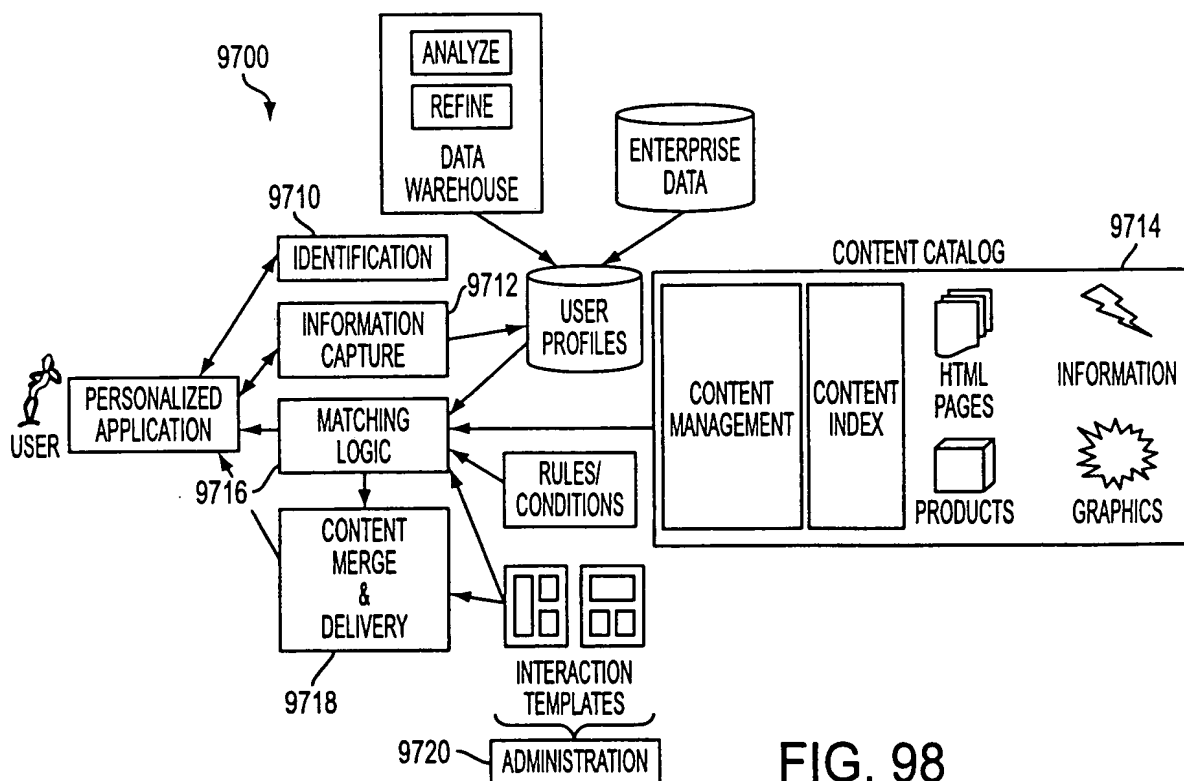


FIG. 98

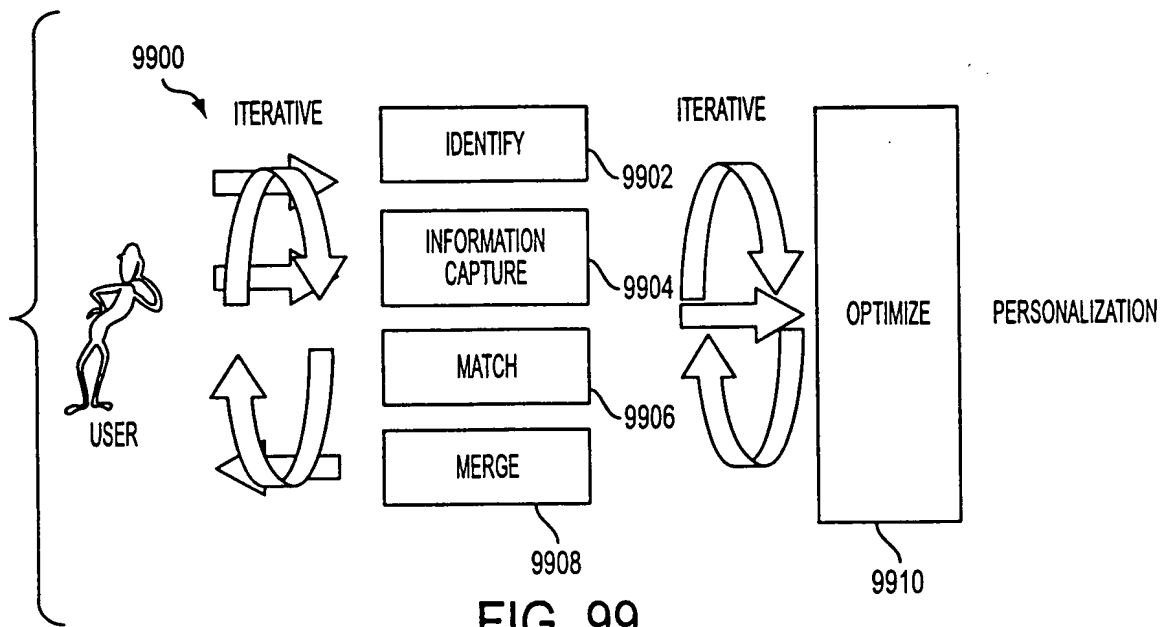


FIG. 99

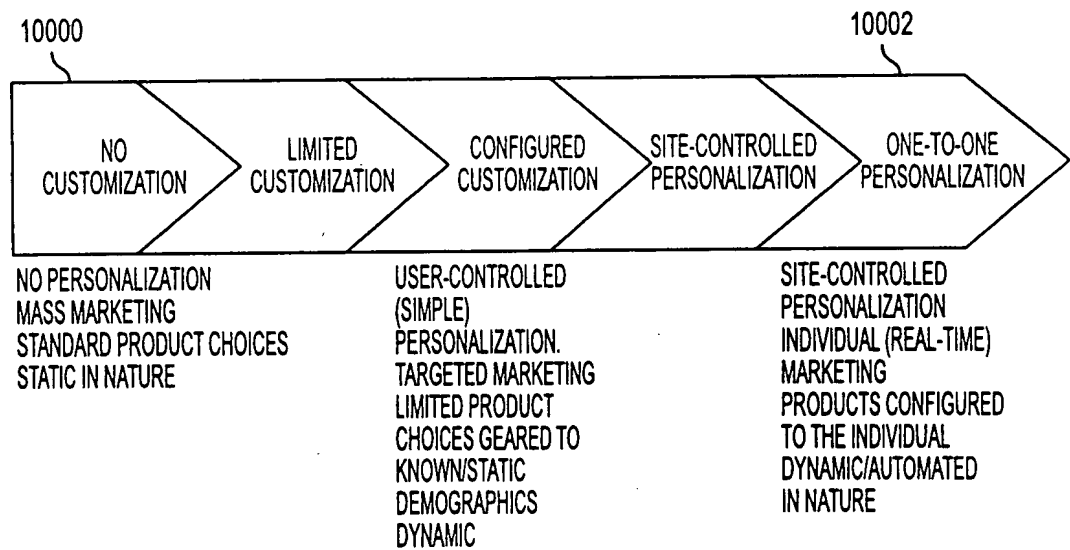


FIG. 100

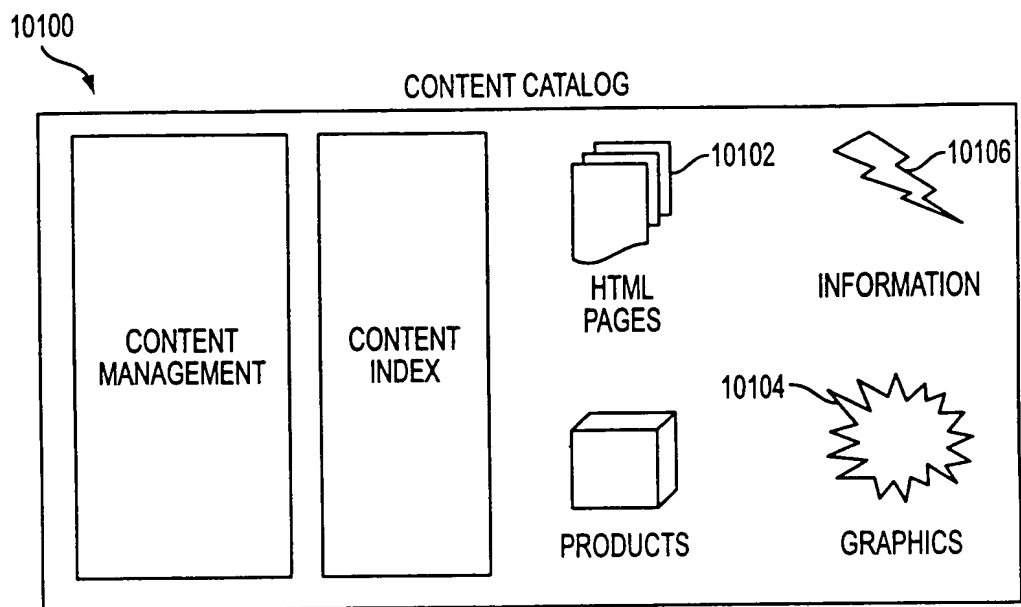


FIG. 101

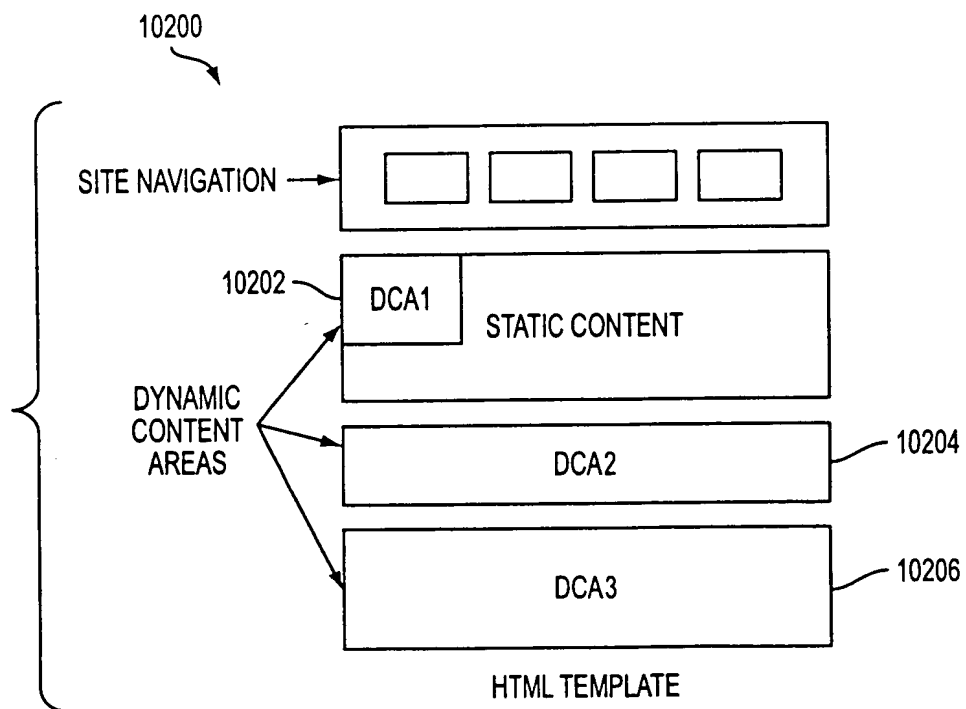


FIG. 102



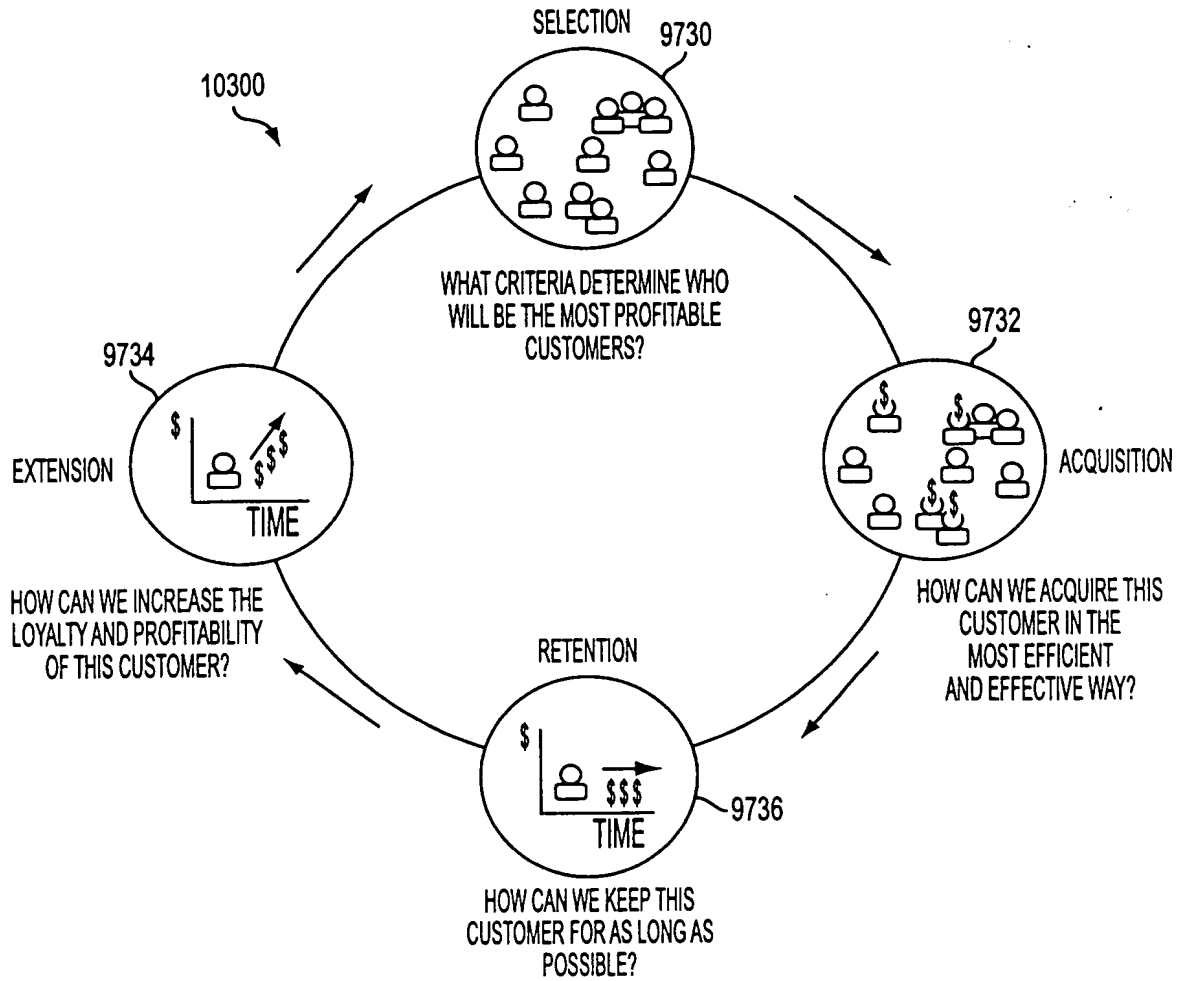


FIG. 103

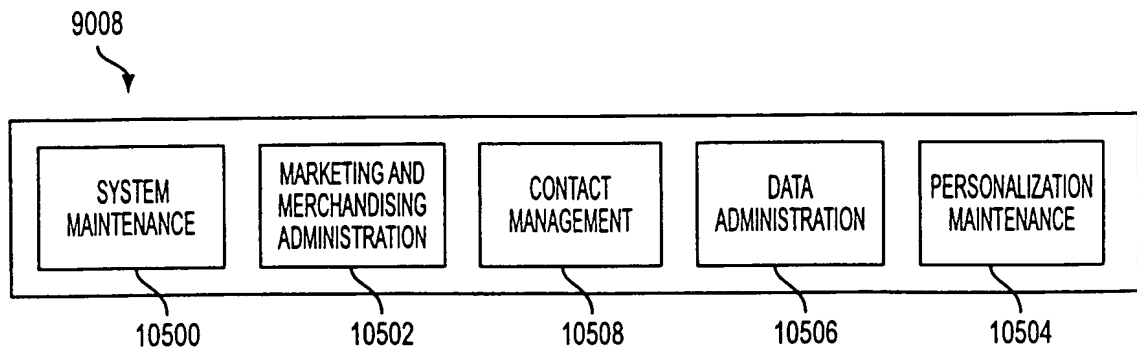


FIG. 105

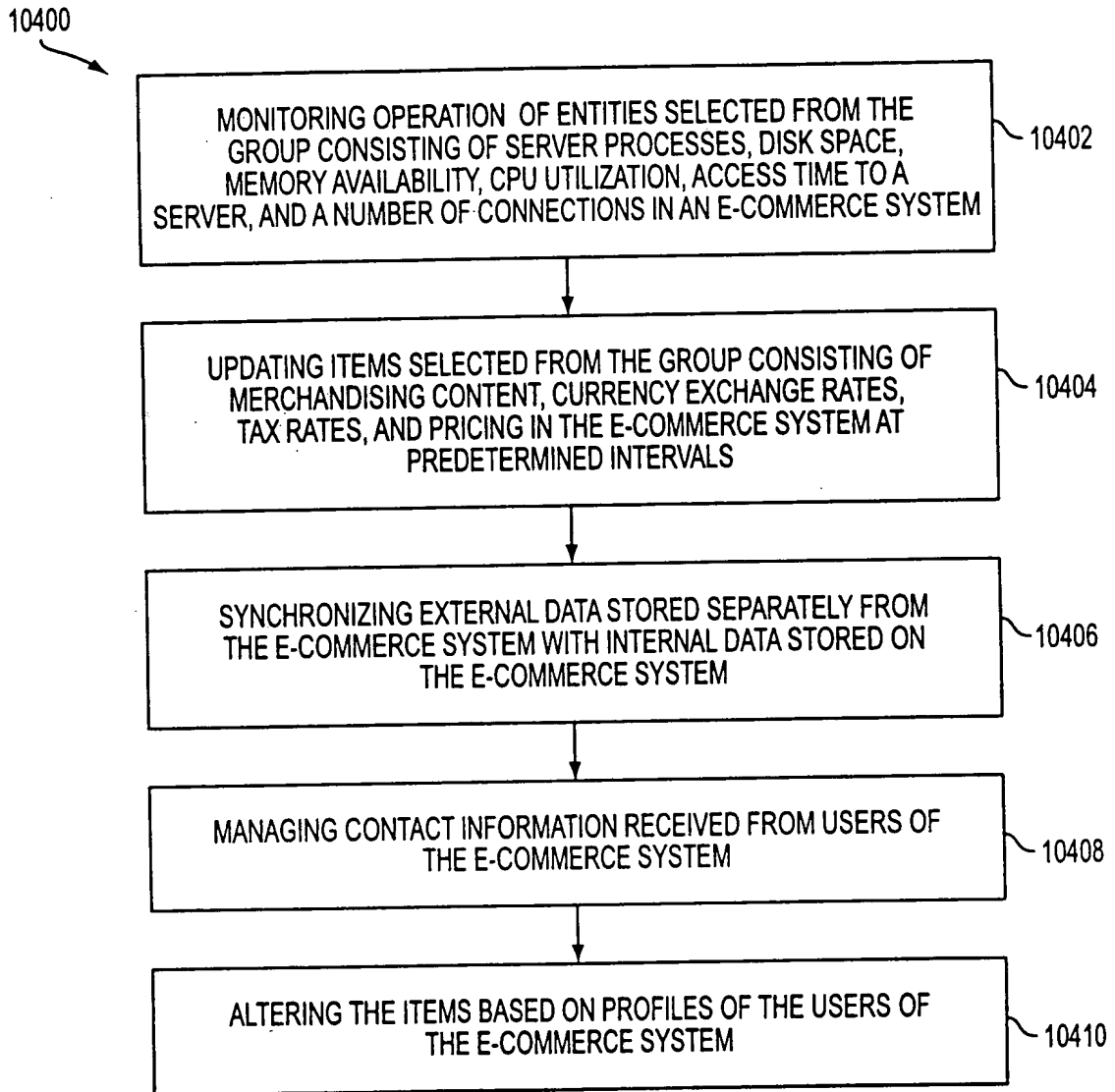


FIG. 104

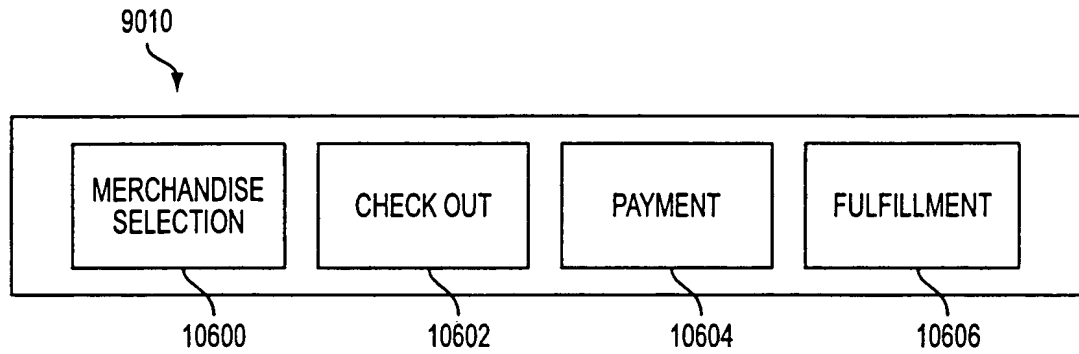


FIG. 106

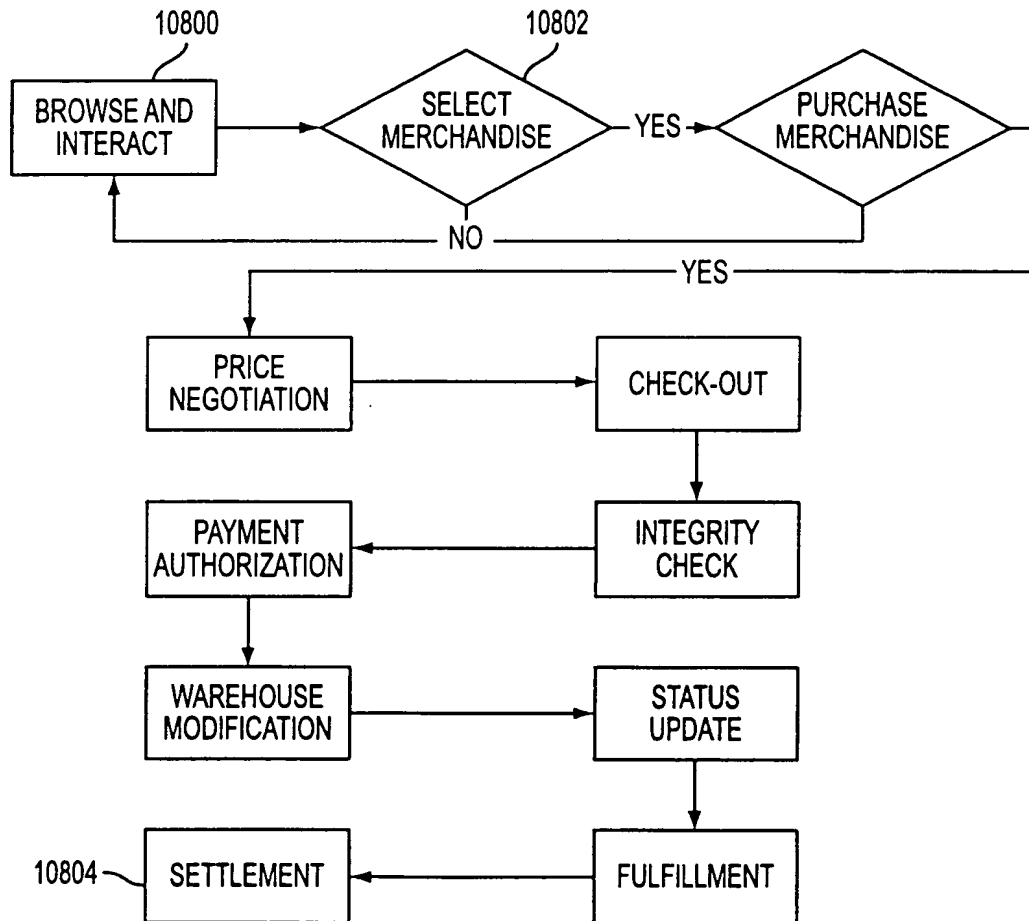


FIG. 108



10700

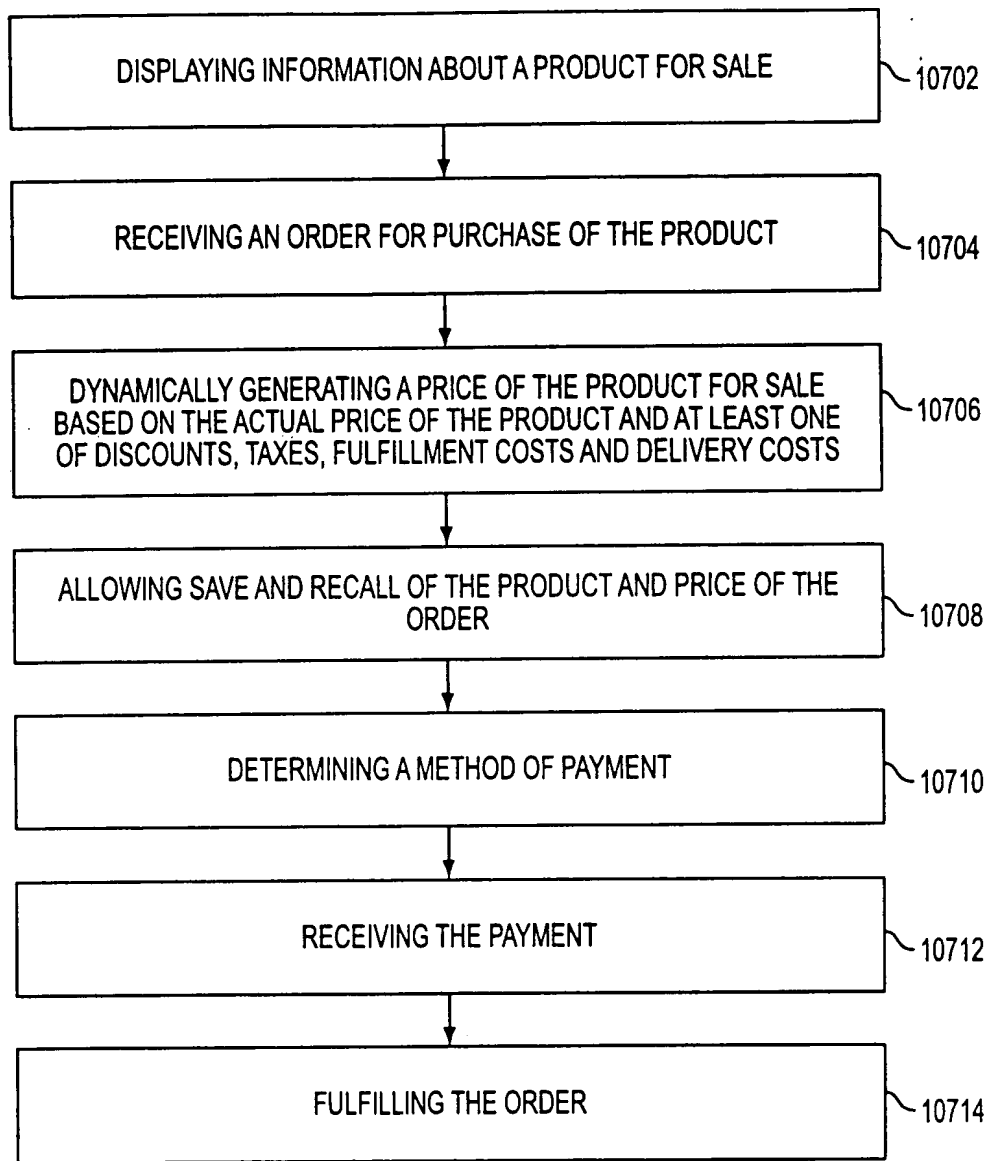


FIG. 107

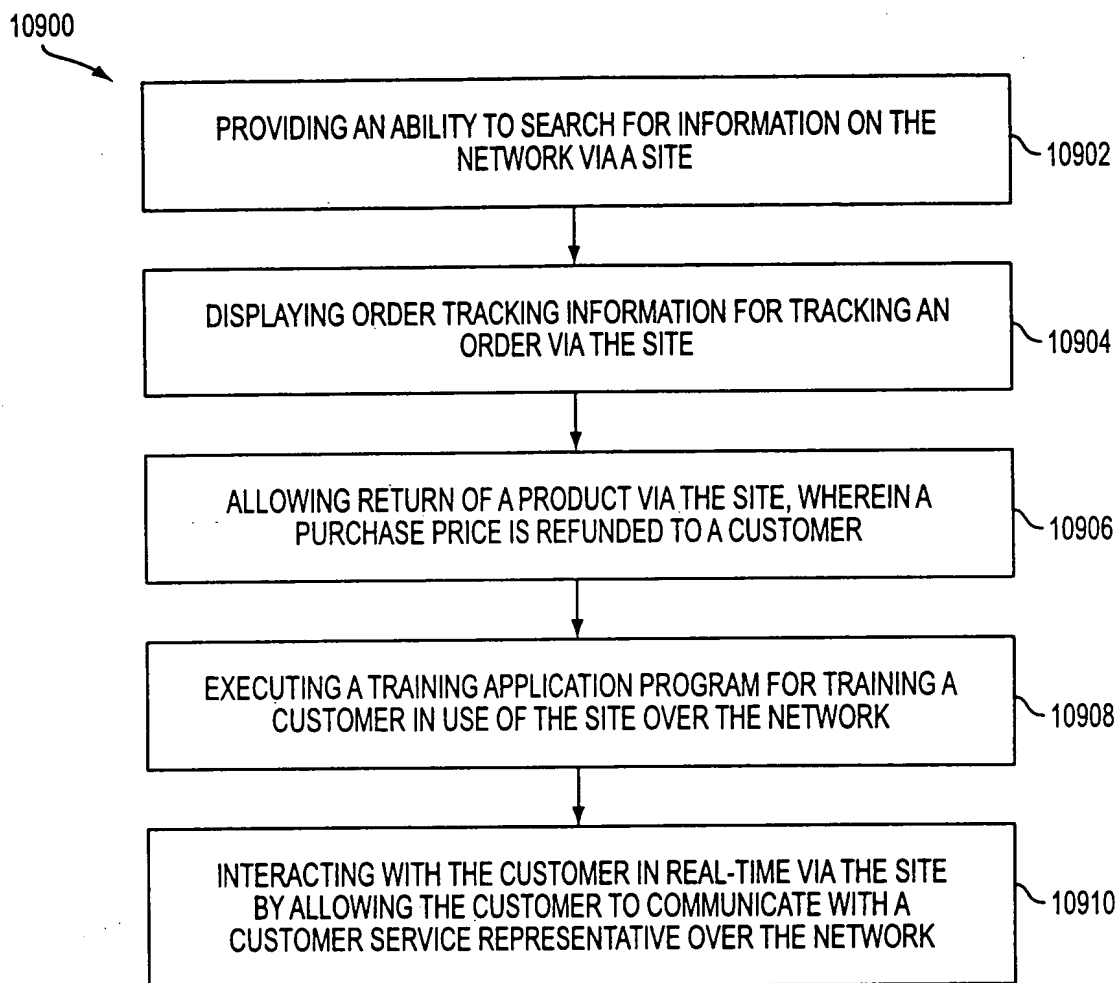


FIG. 109

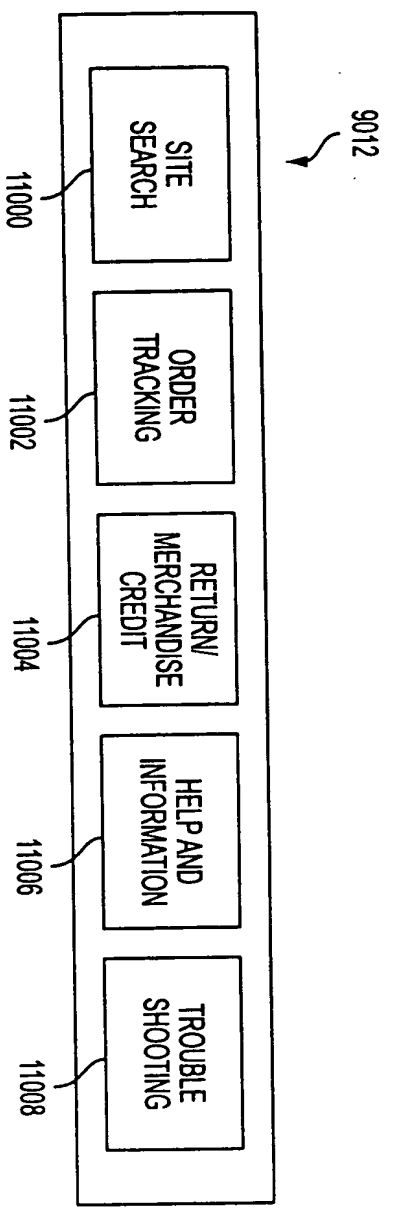


FIG. 110

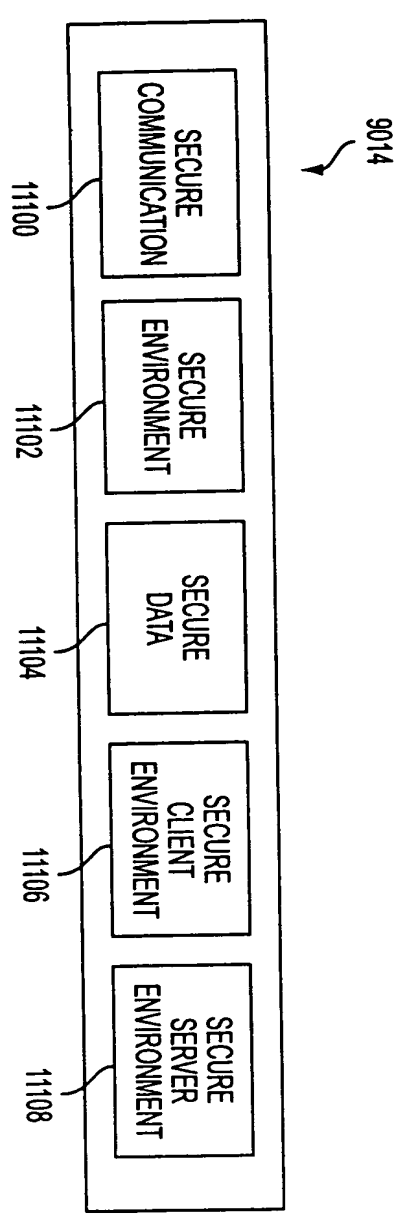


FIG. 111

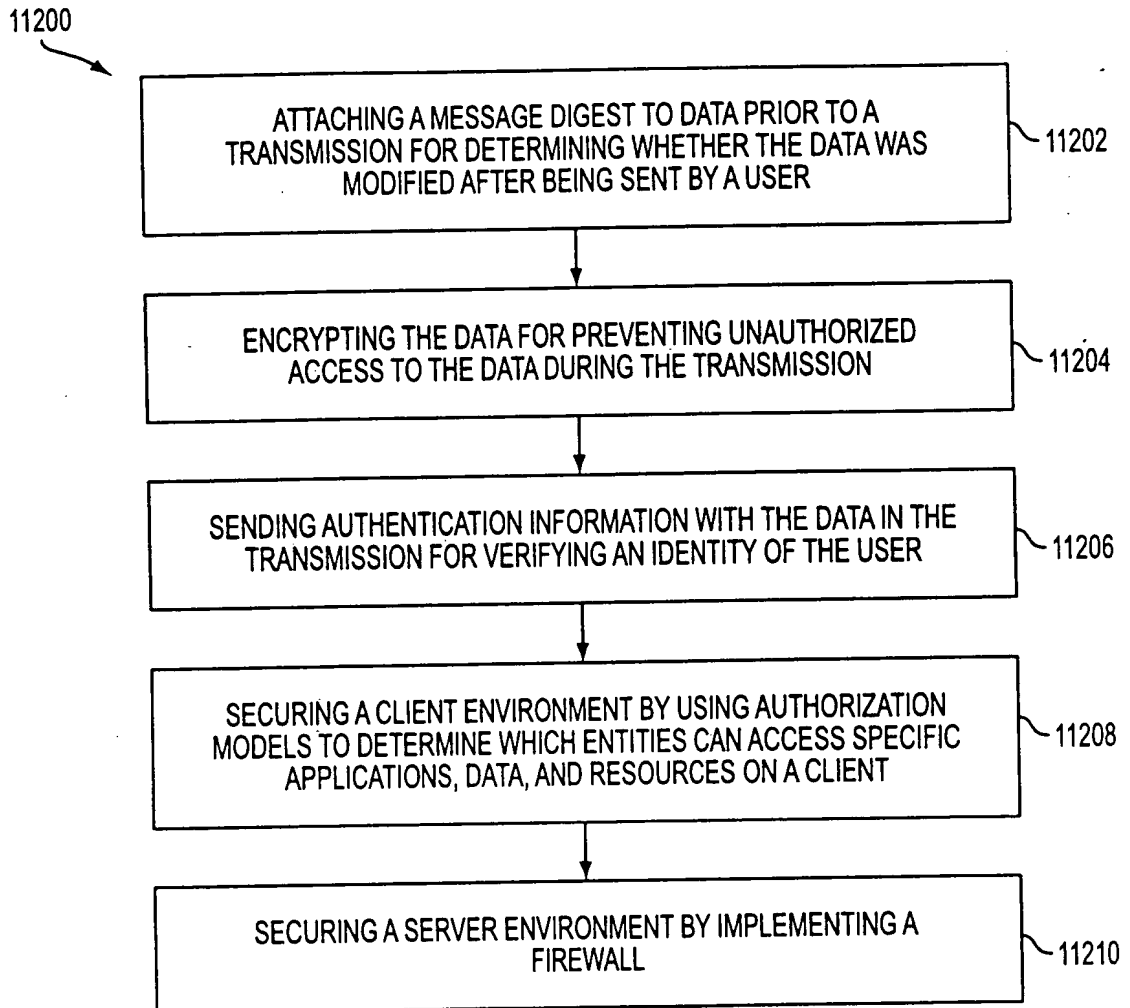


FIG. 112

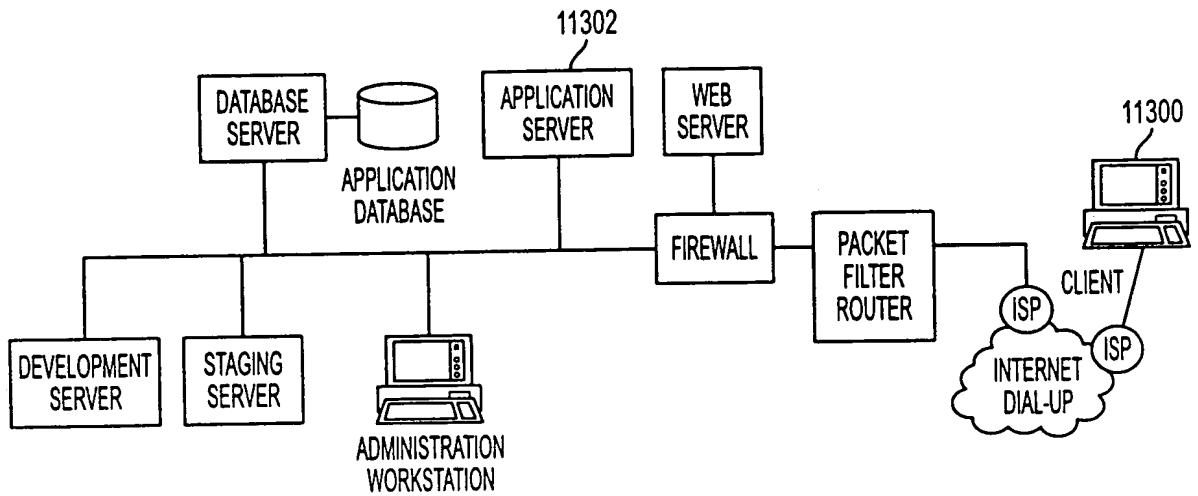


FIG. 113

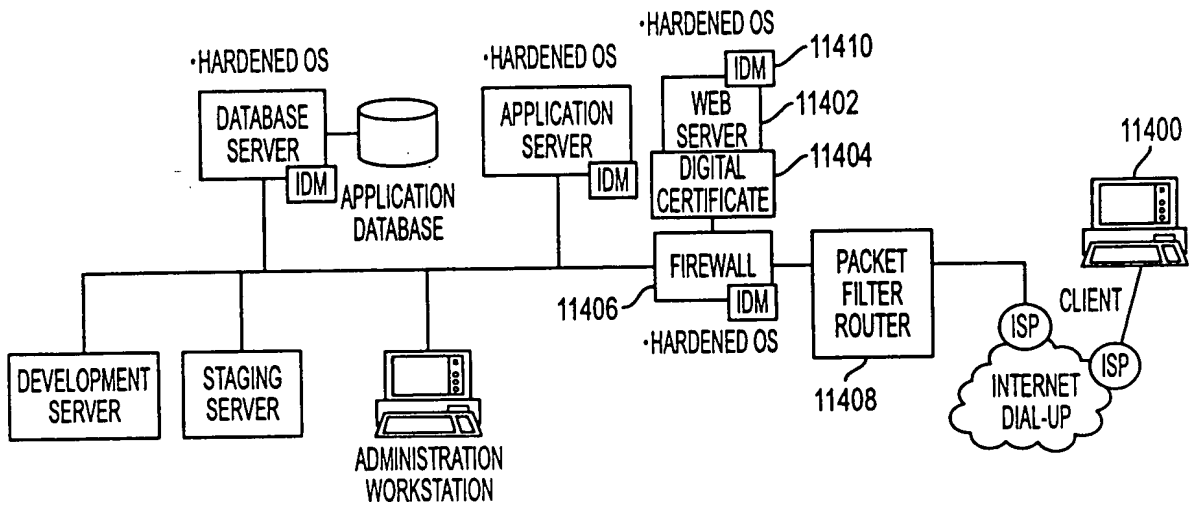


FIG. 114



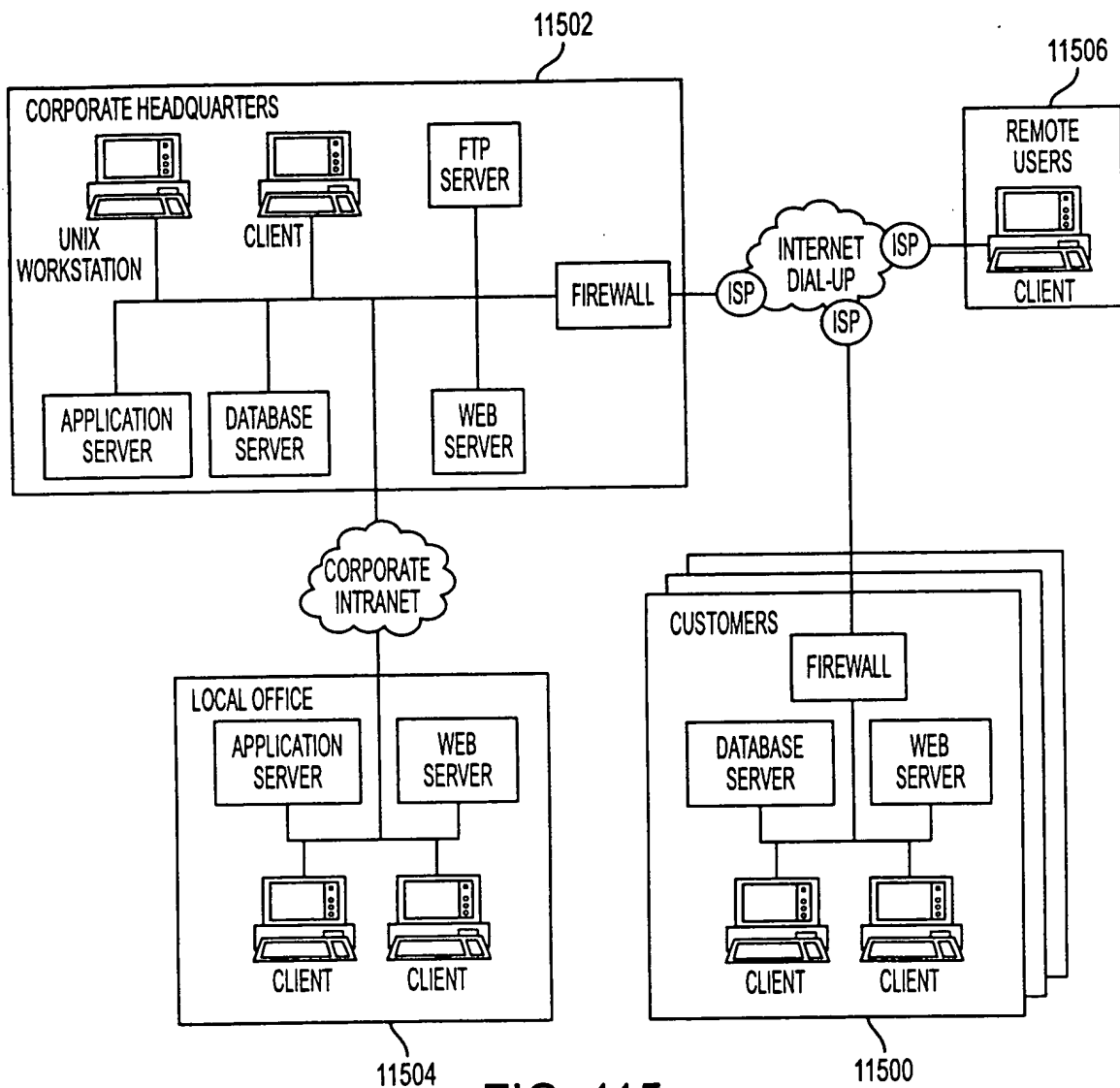


FIG. 115

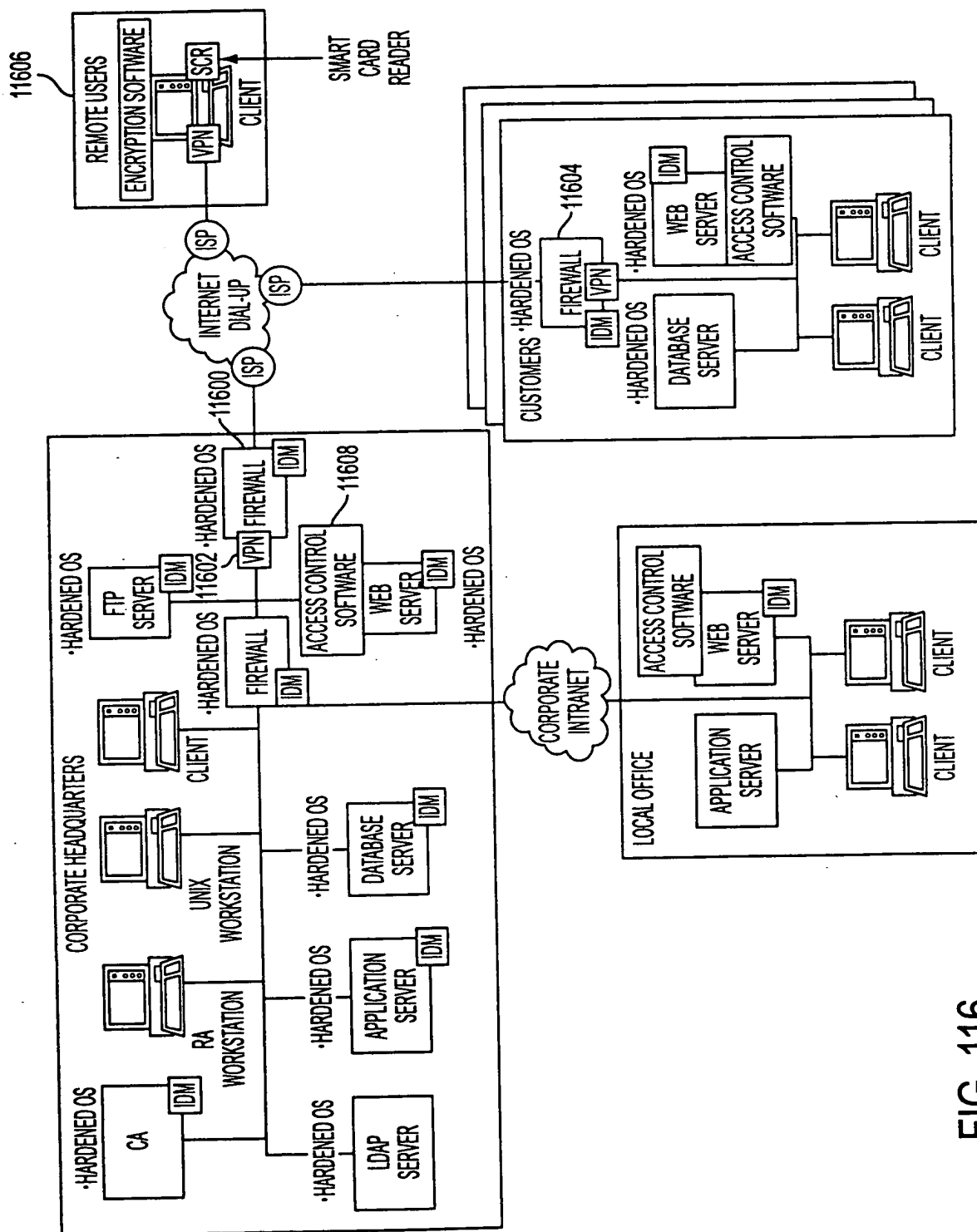


FIG. 116

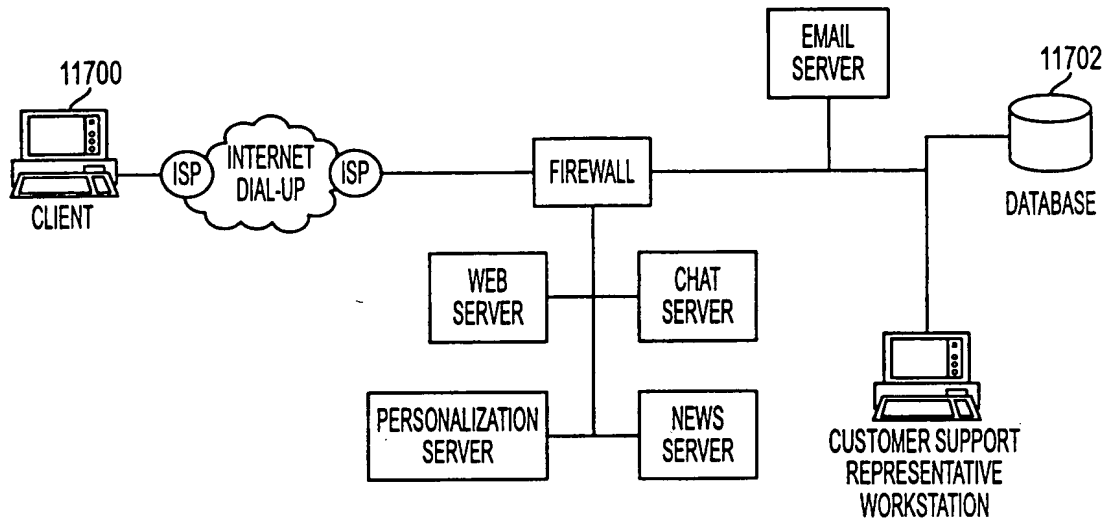


FIG. 117

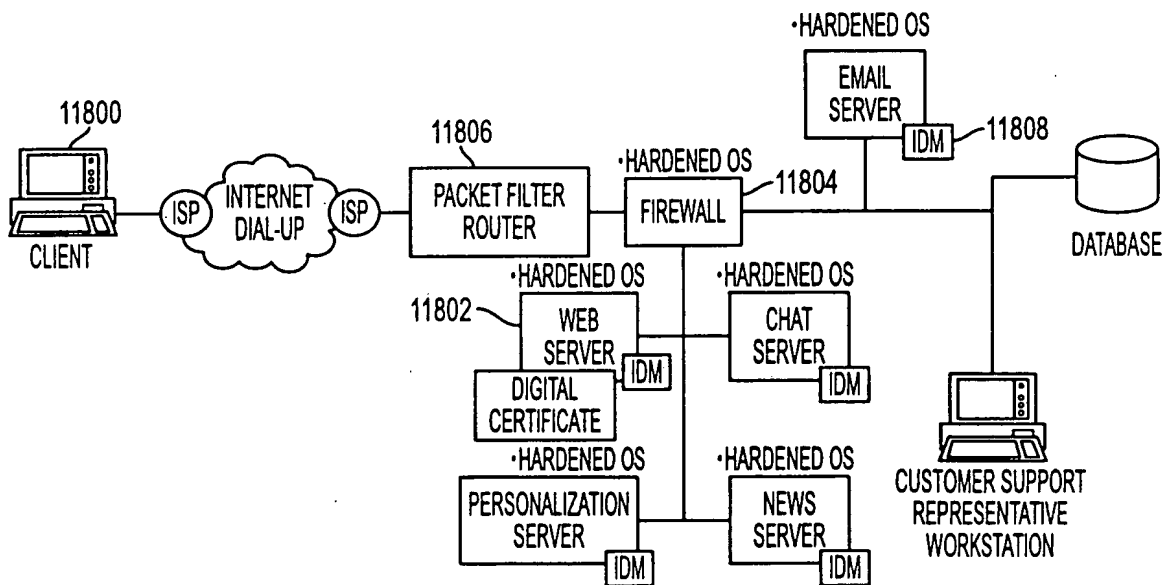


FIG. 118

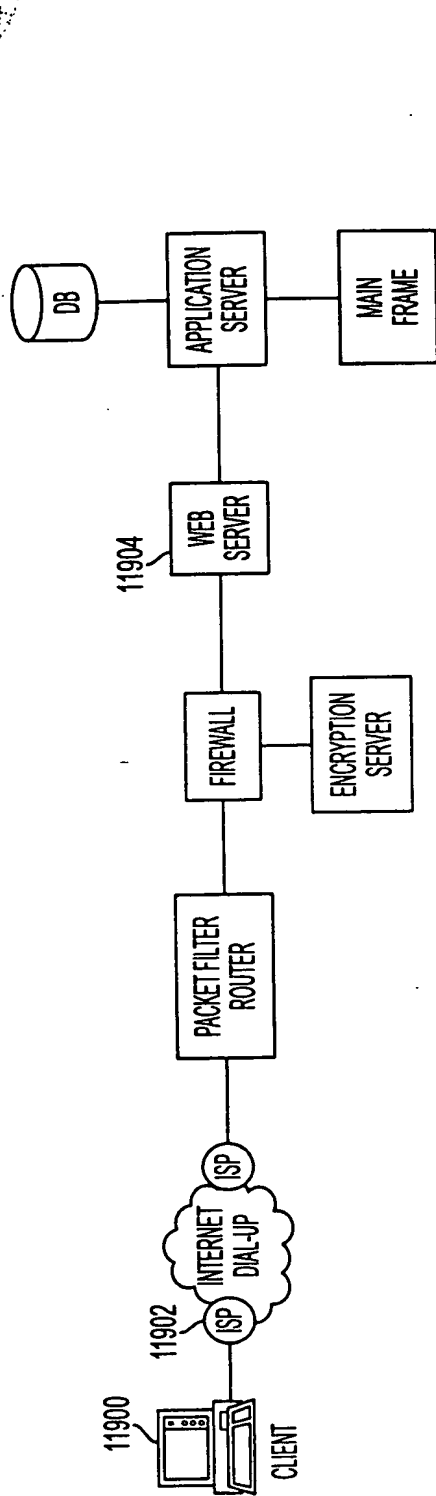


FIG. 119

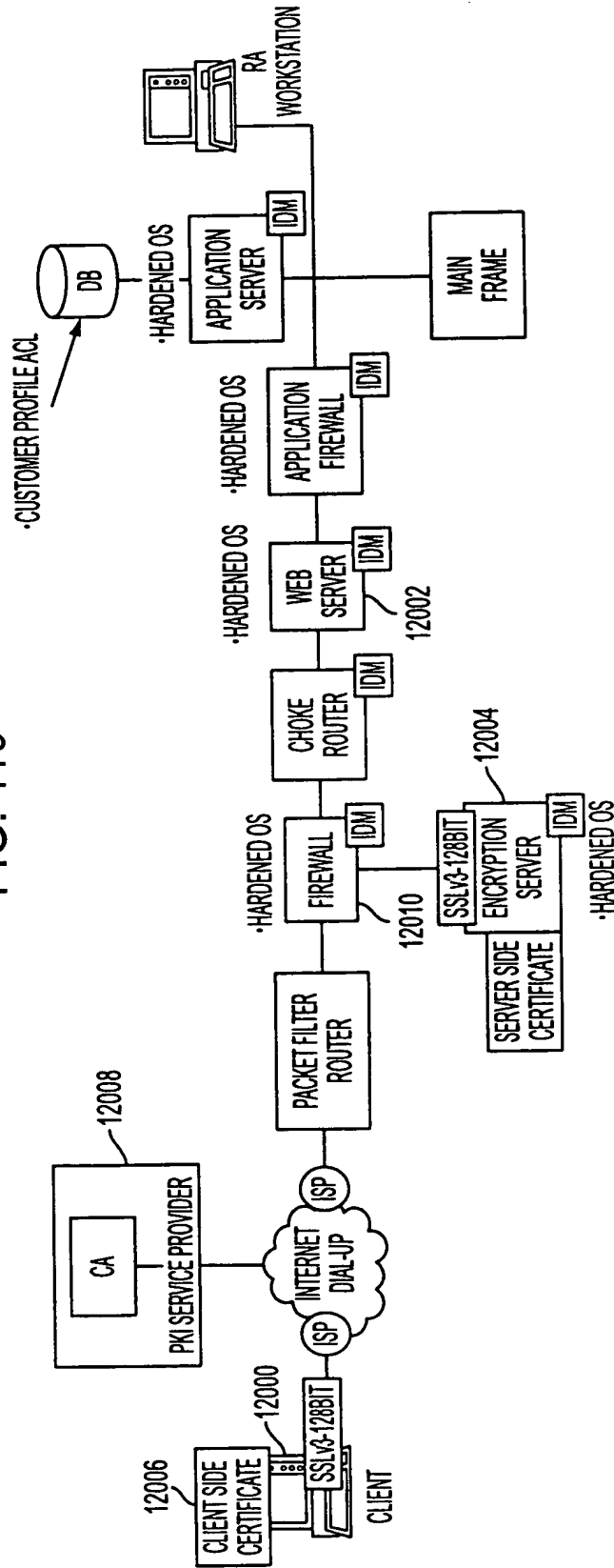


FIG. 120

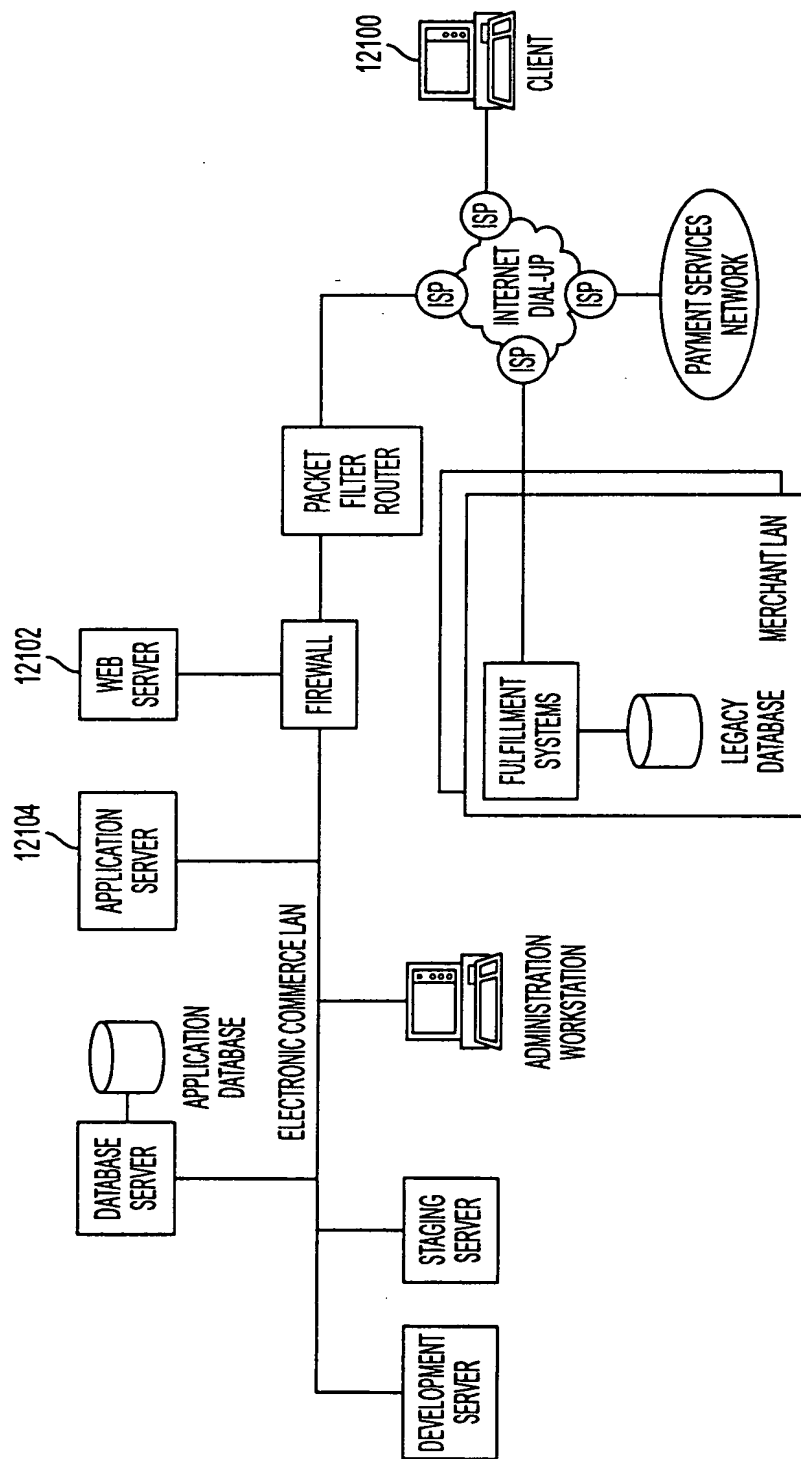


FIG. 121

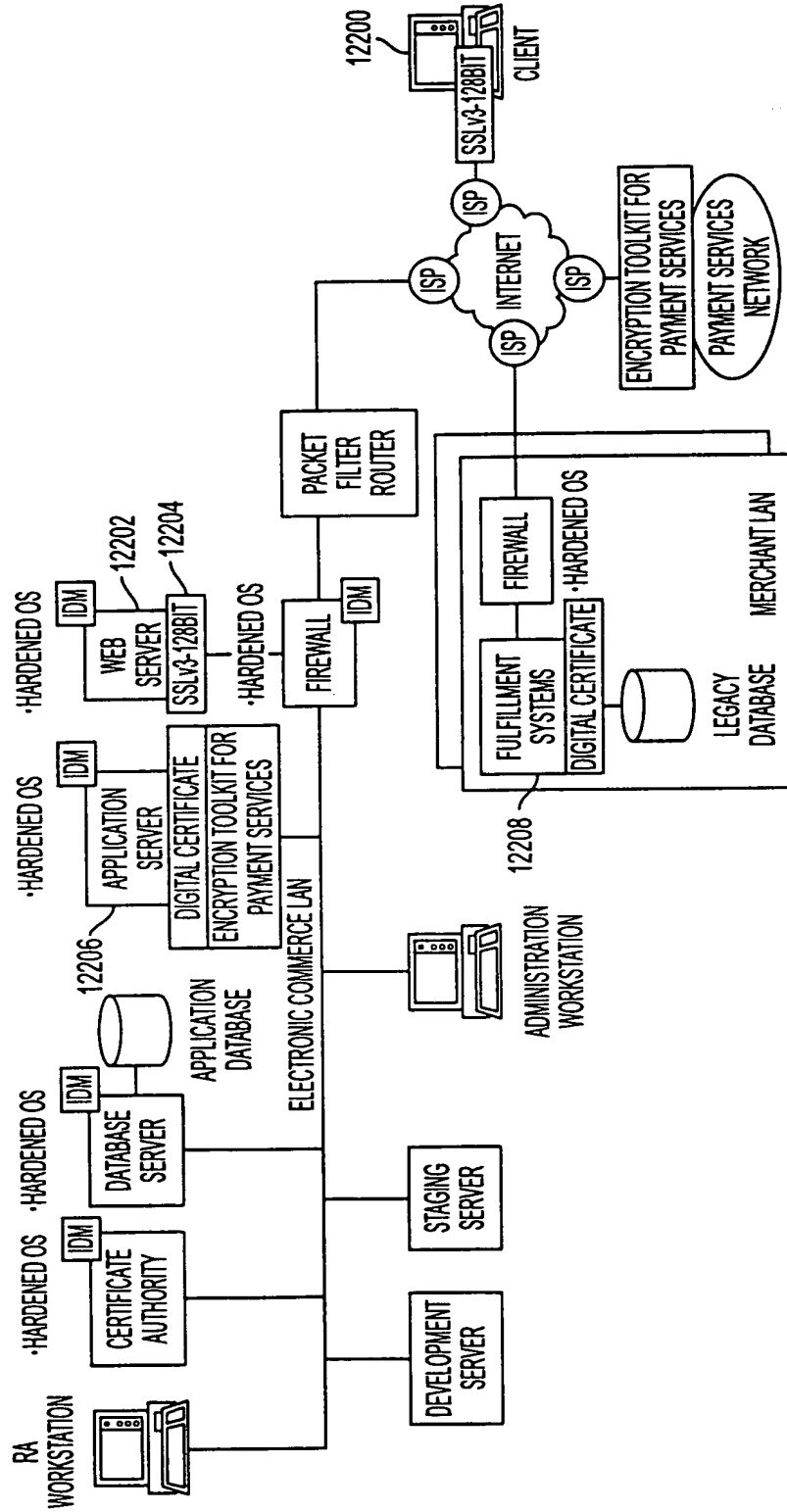


FIG. 122



12300

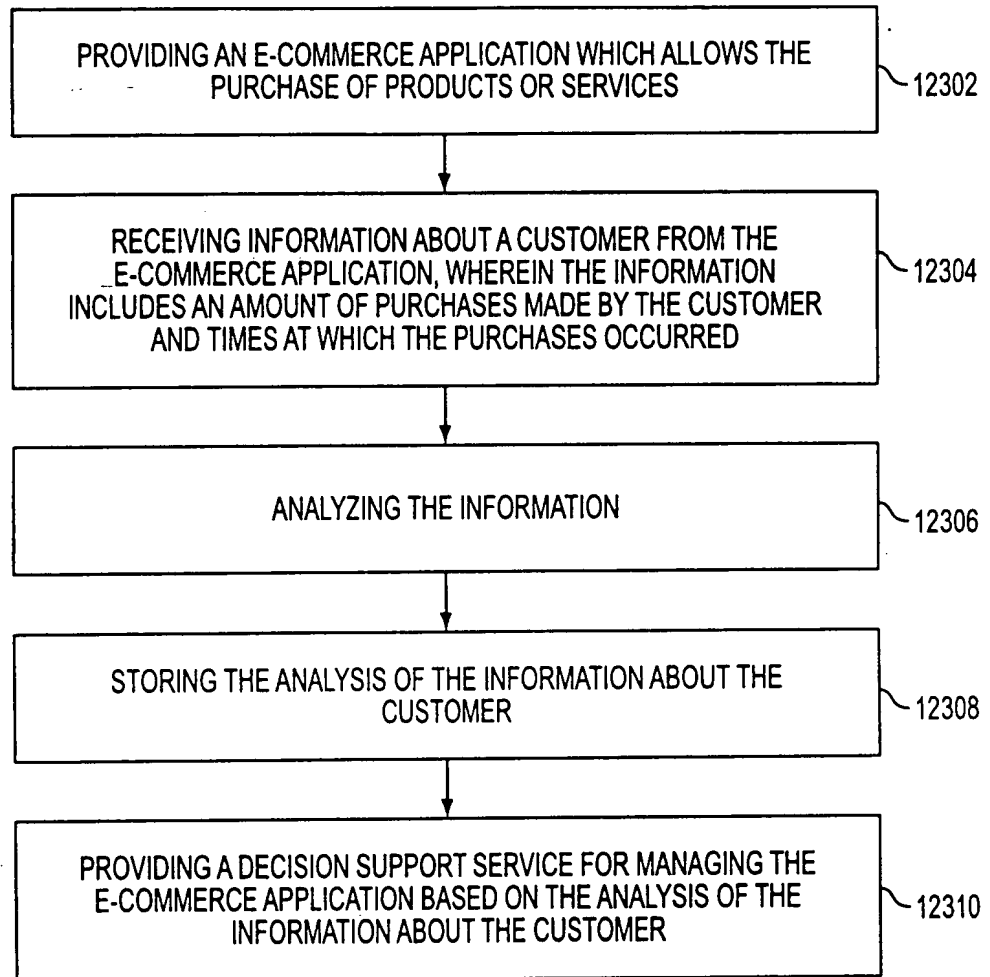


FIG. 123



9016

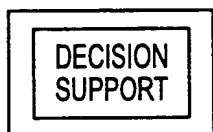


FIG. 124

9018

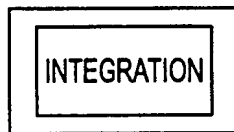


FIG. 125



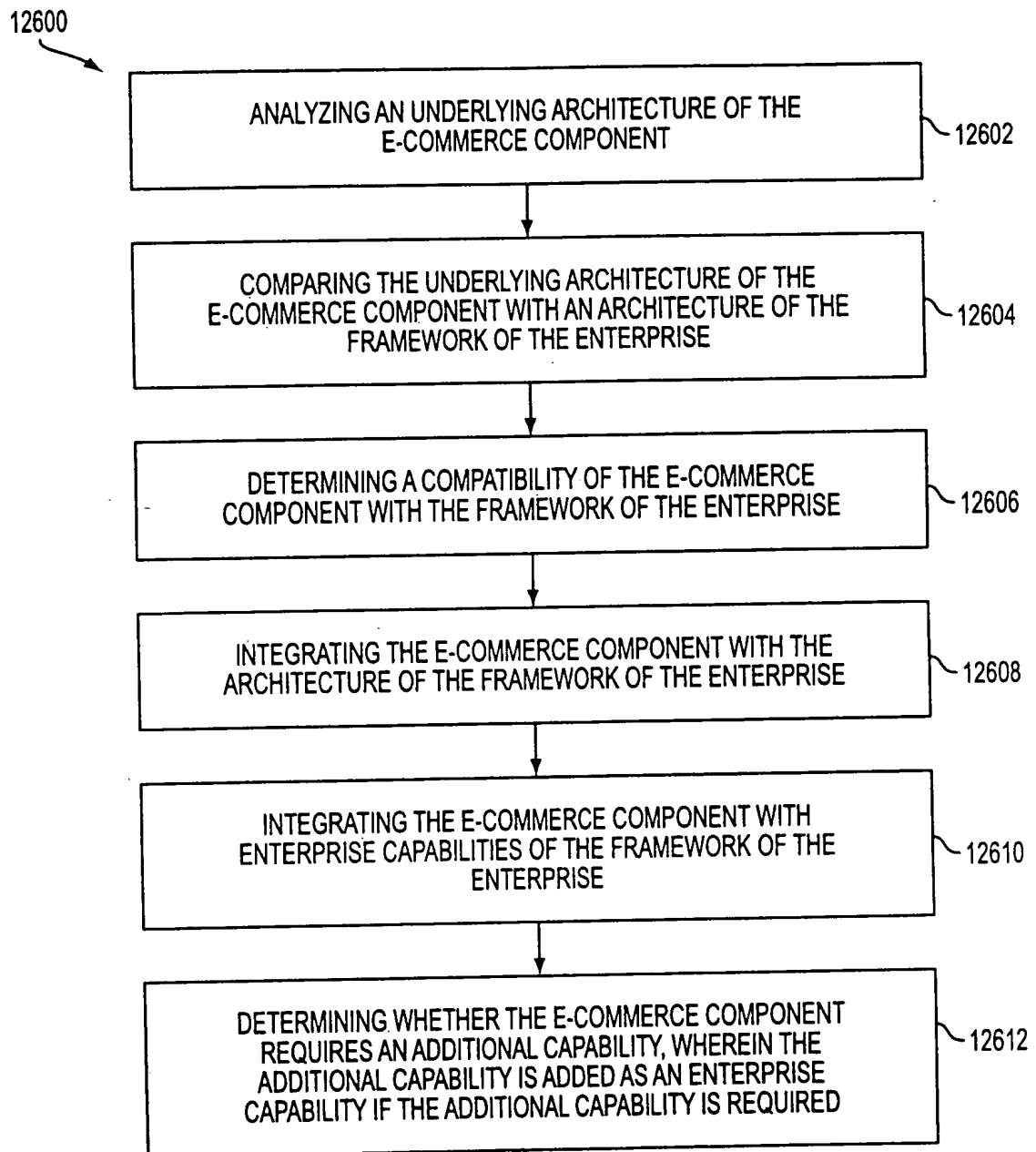


FIG. 126

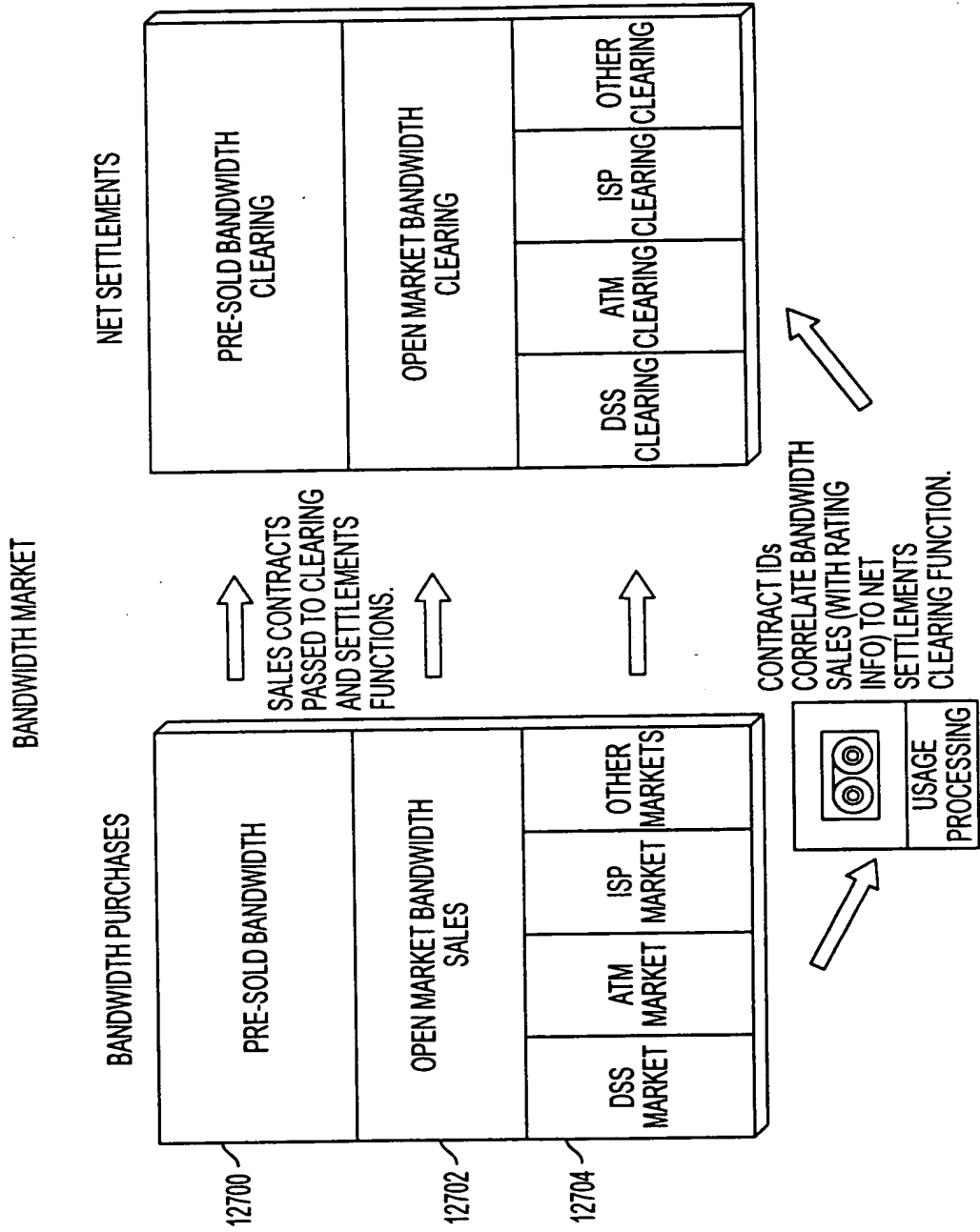


FIG. 127

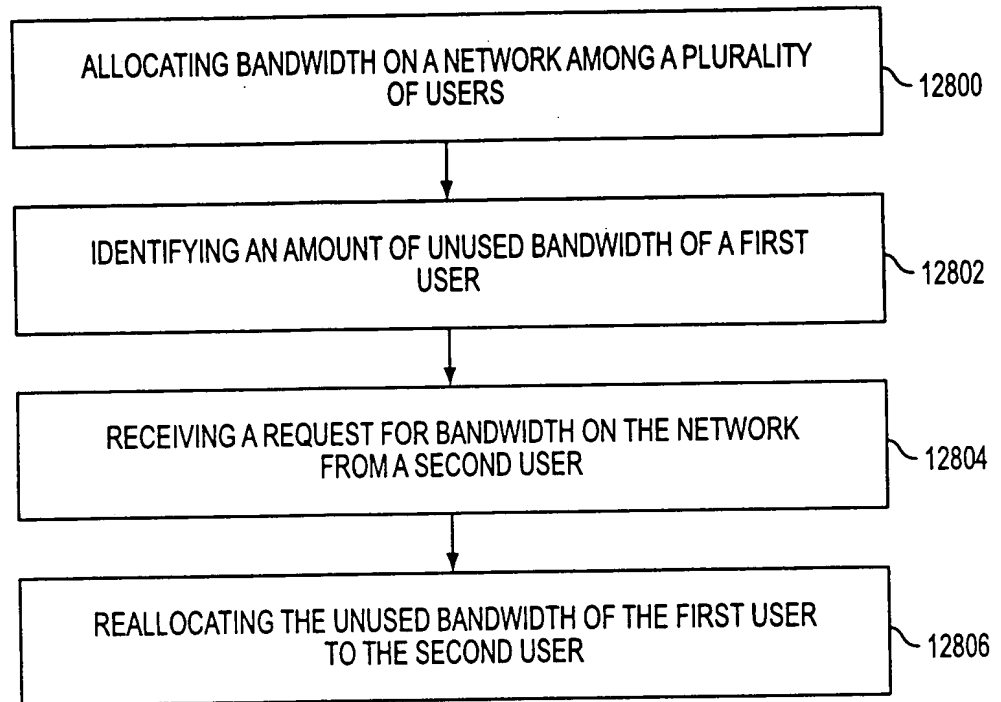


FIG. 128

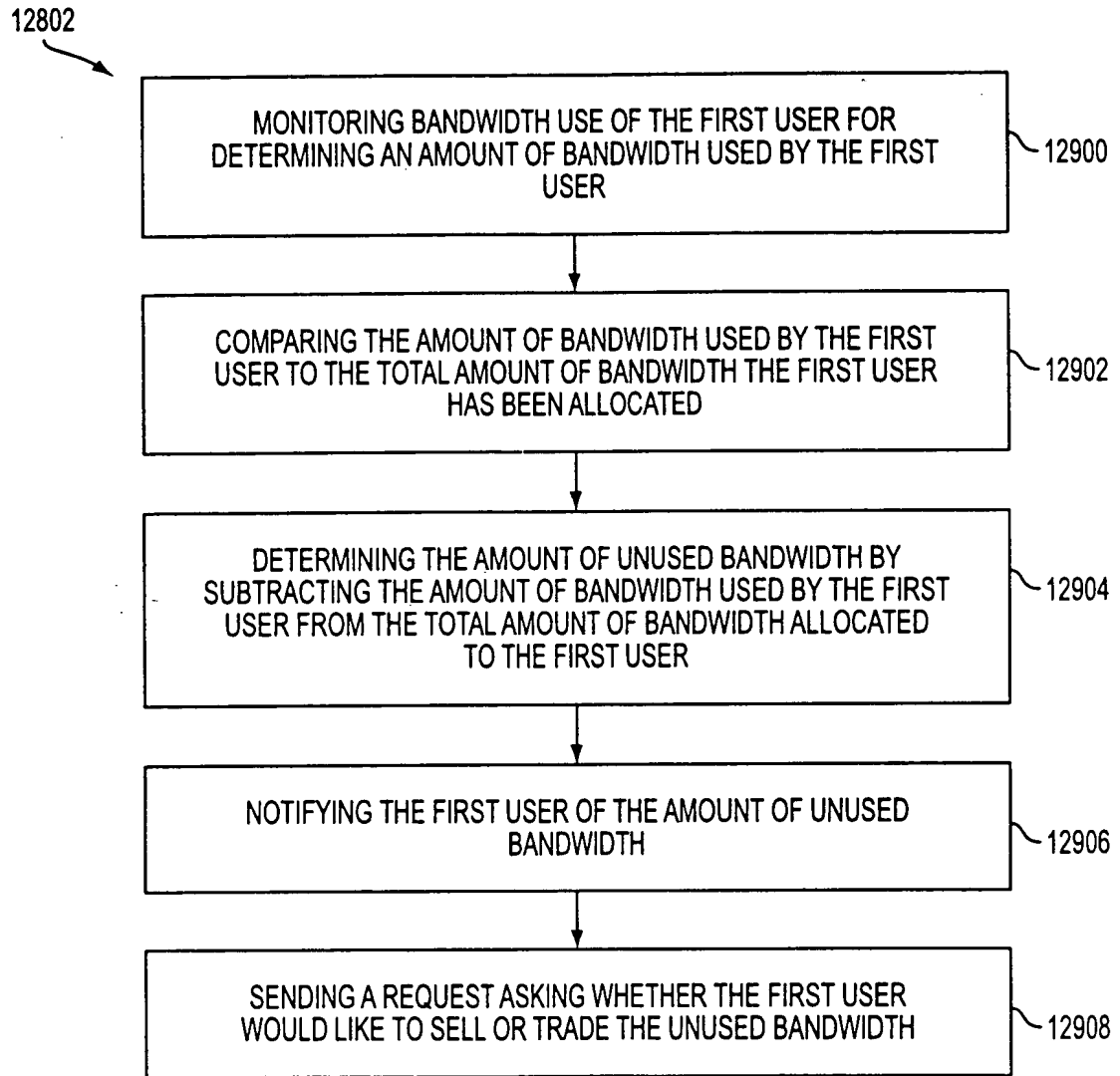


FIG. 129



12802

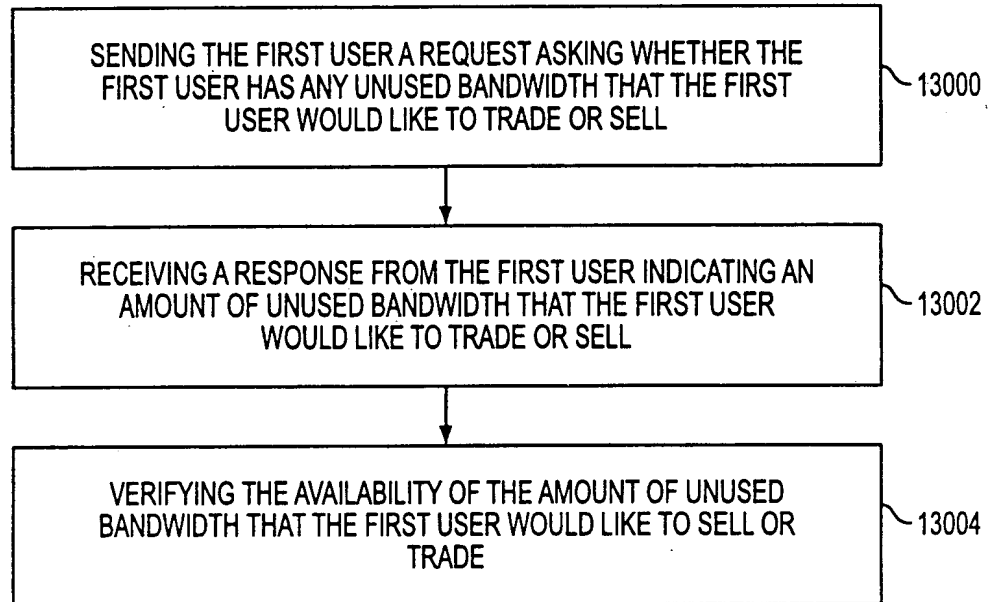


FIG. 130

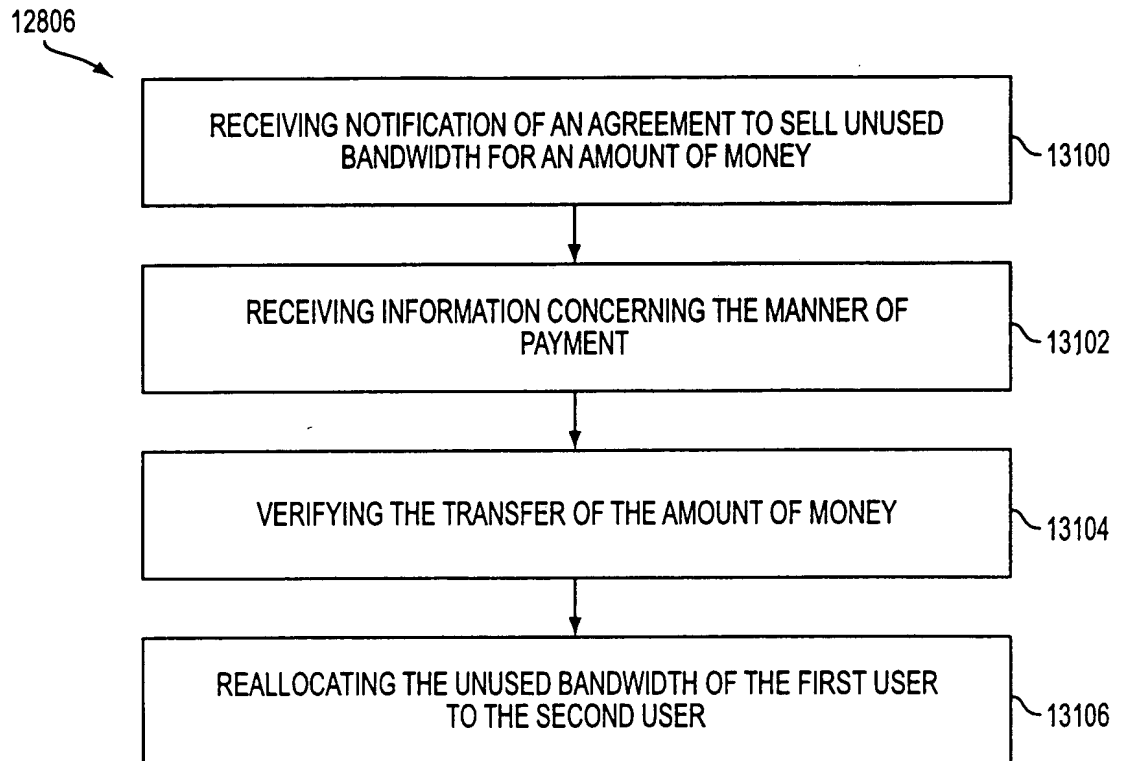


FIG. 131

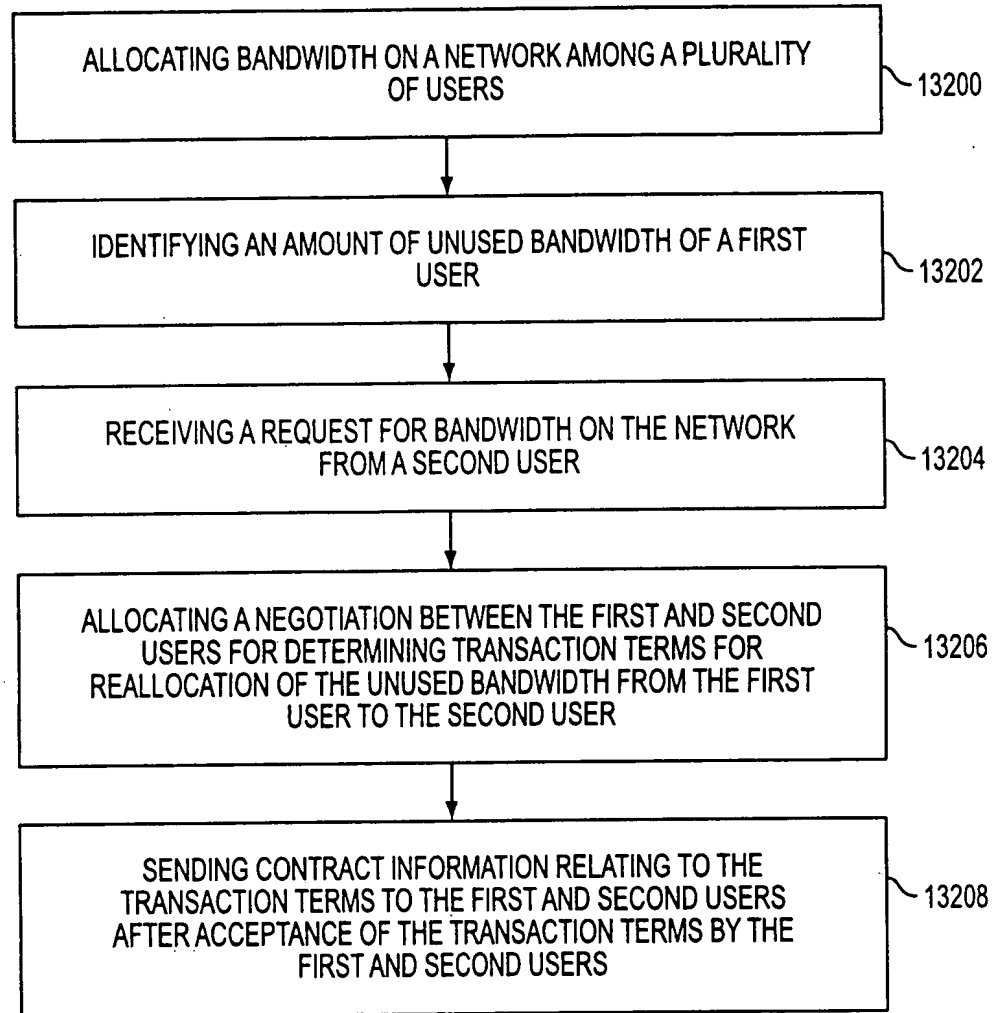


FIG. 132

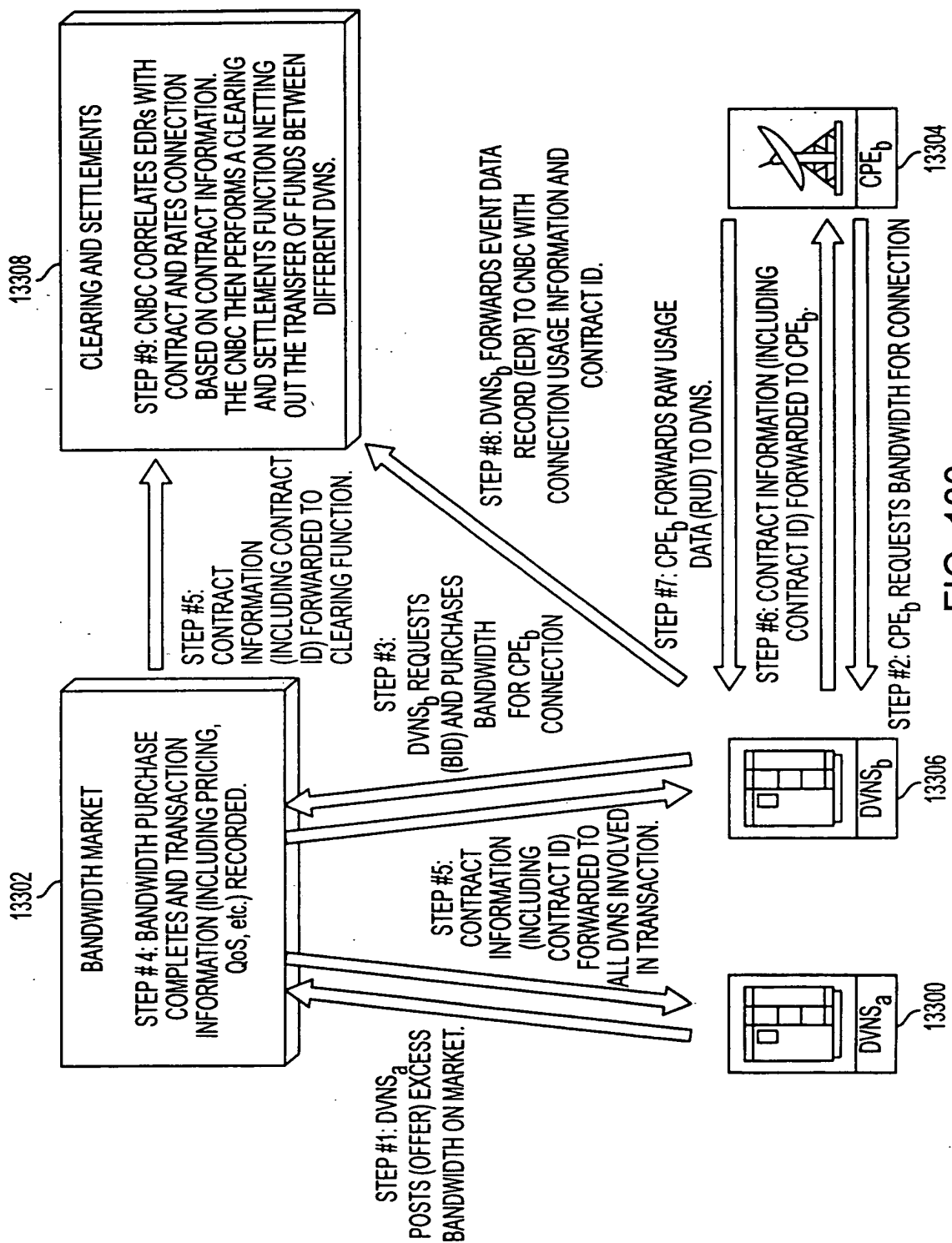


FIG. 133



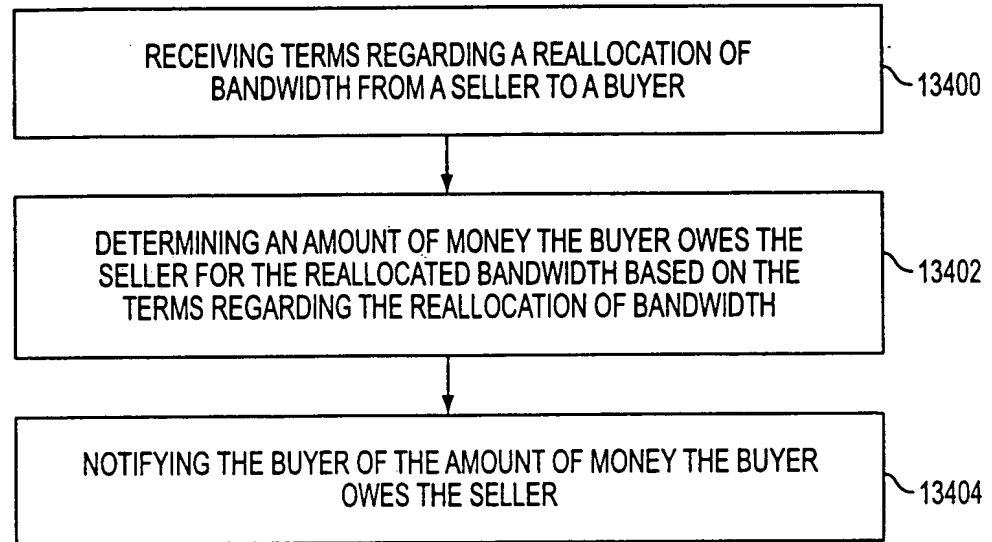


FIG. 134

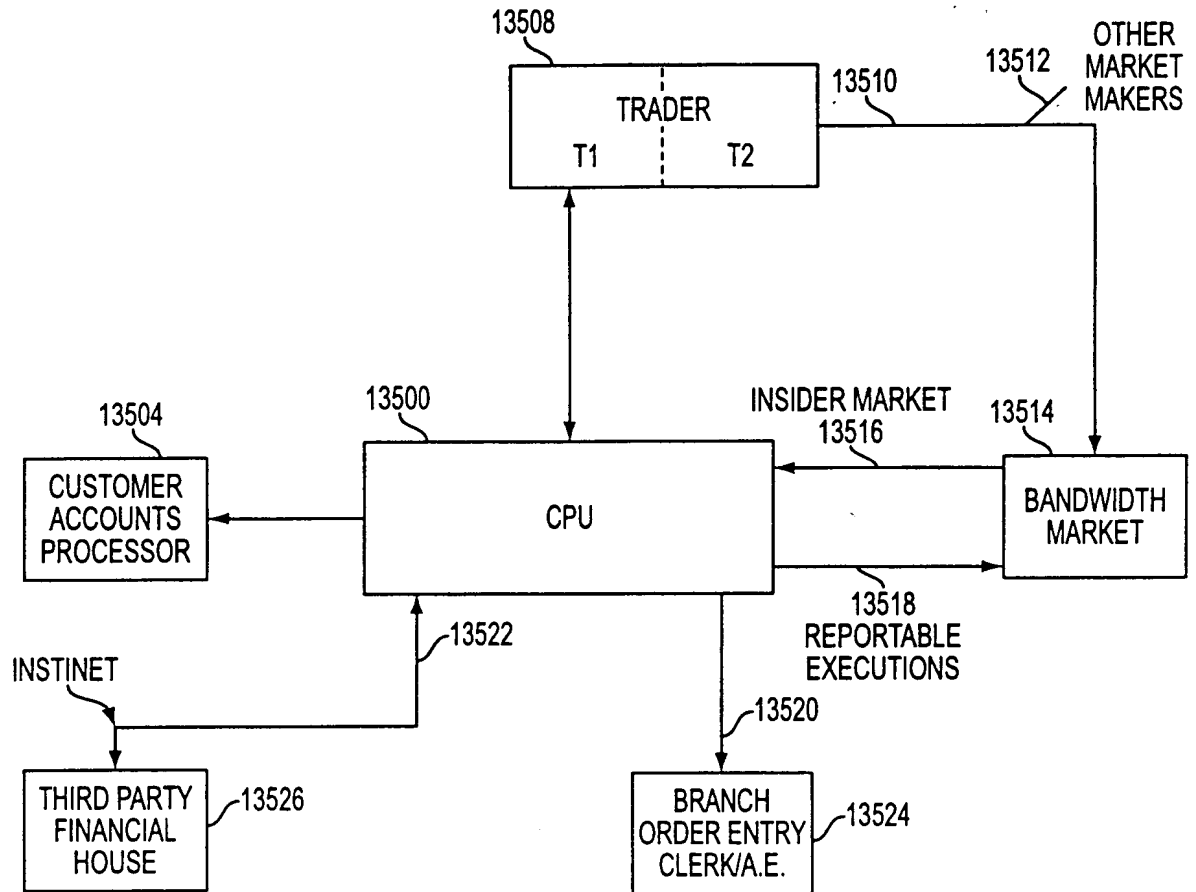


FIG. 135

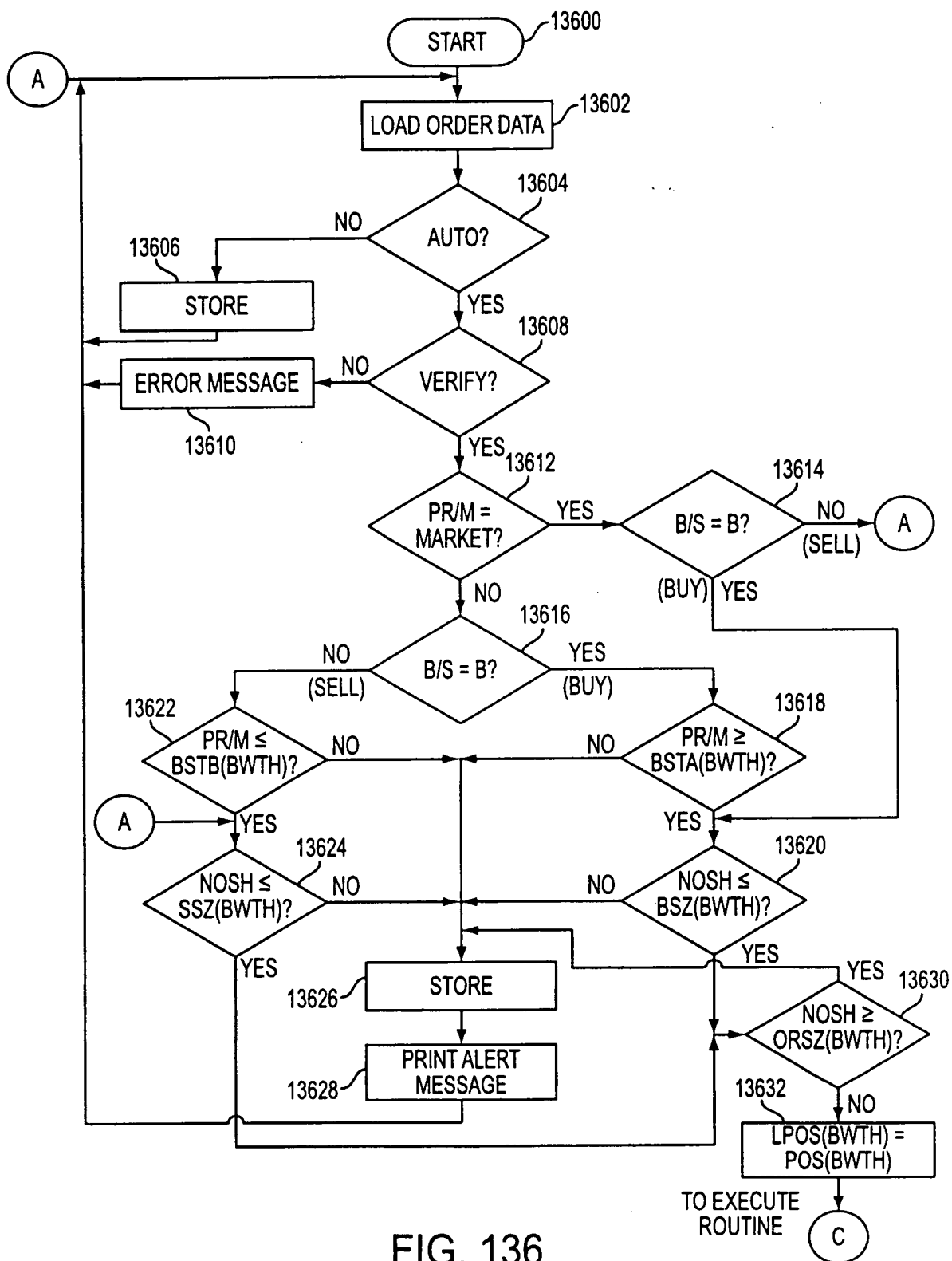


FIG. 136

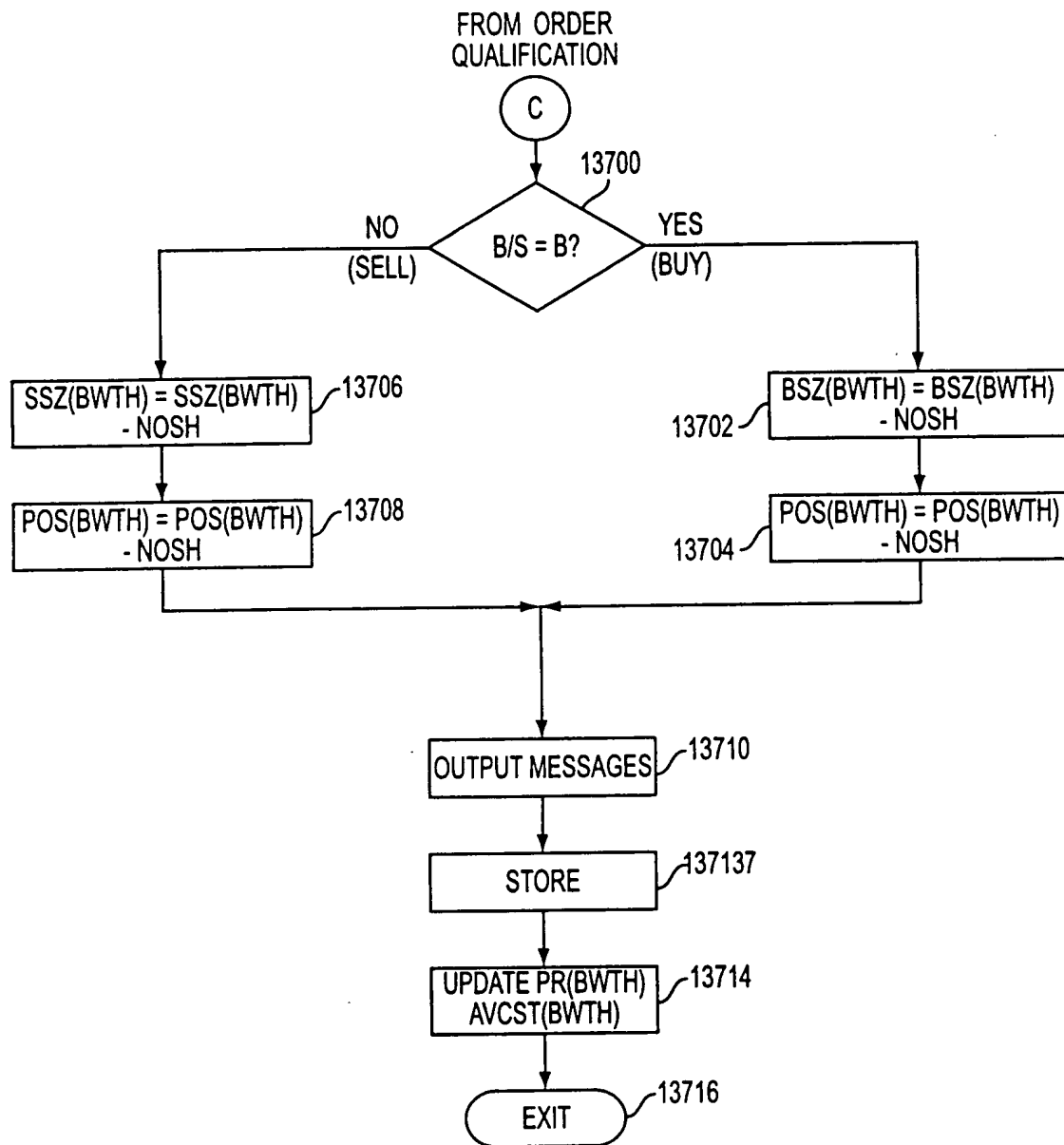


FIG. 137

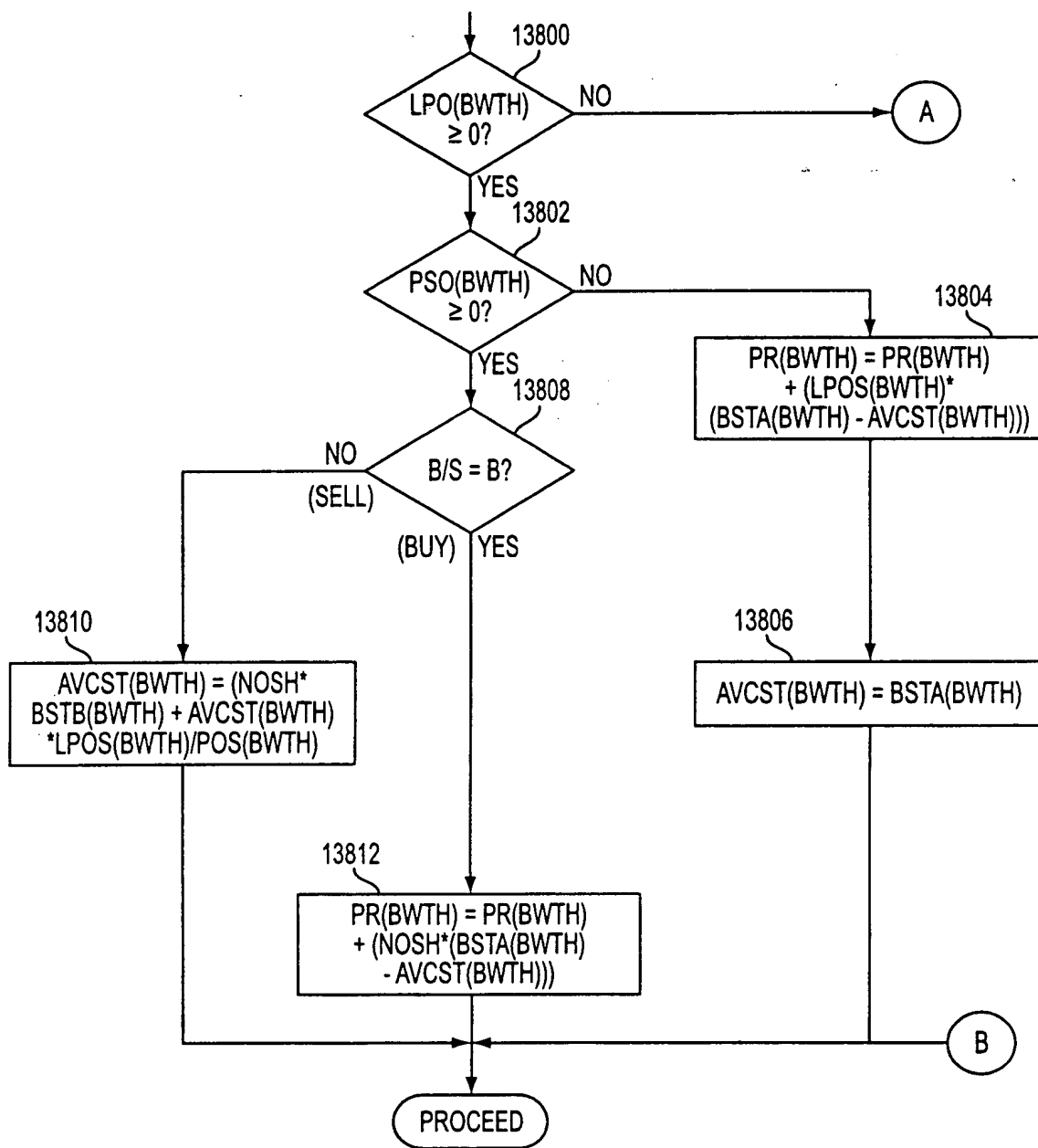


FIG. 138

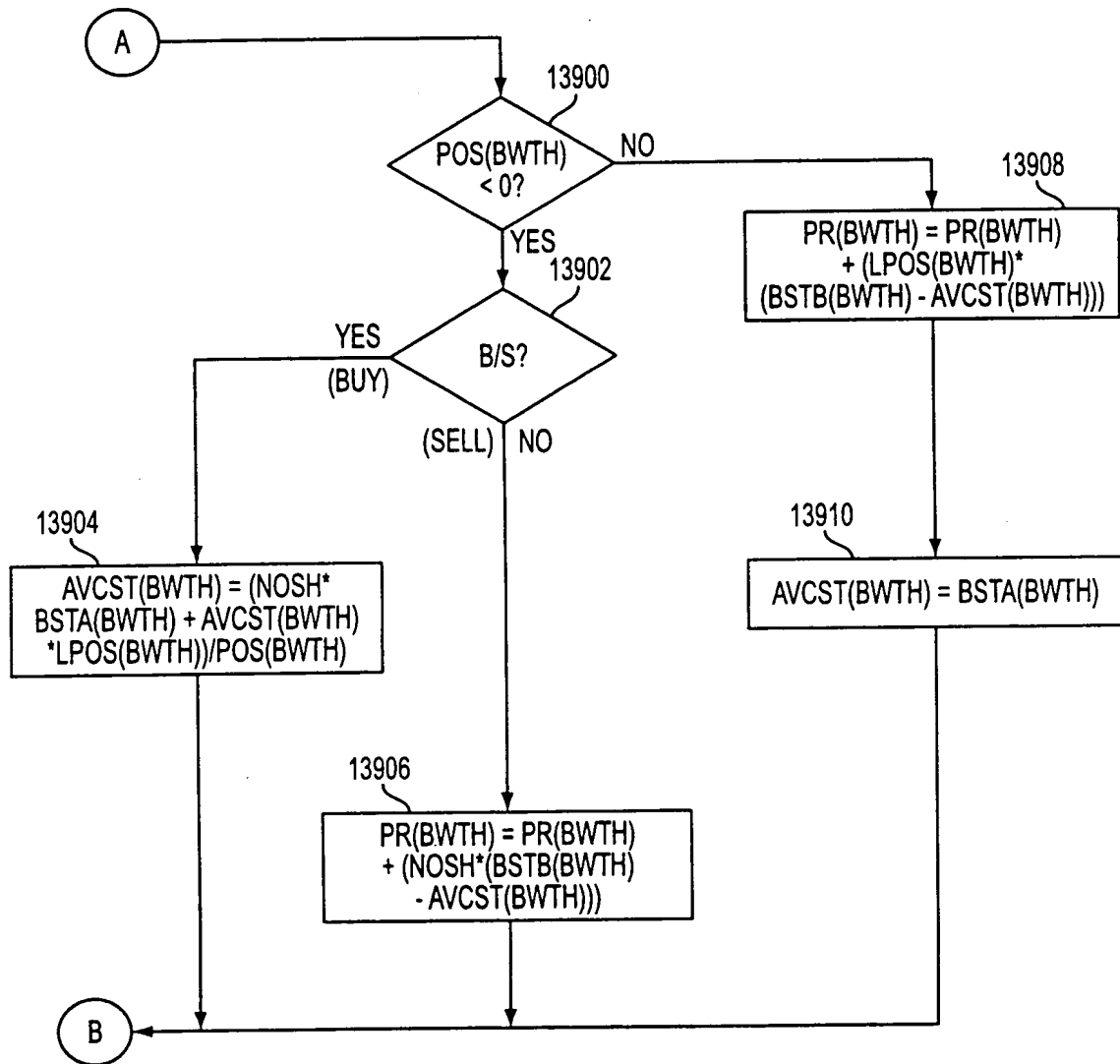


FIG. 139

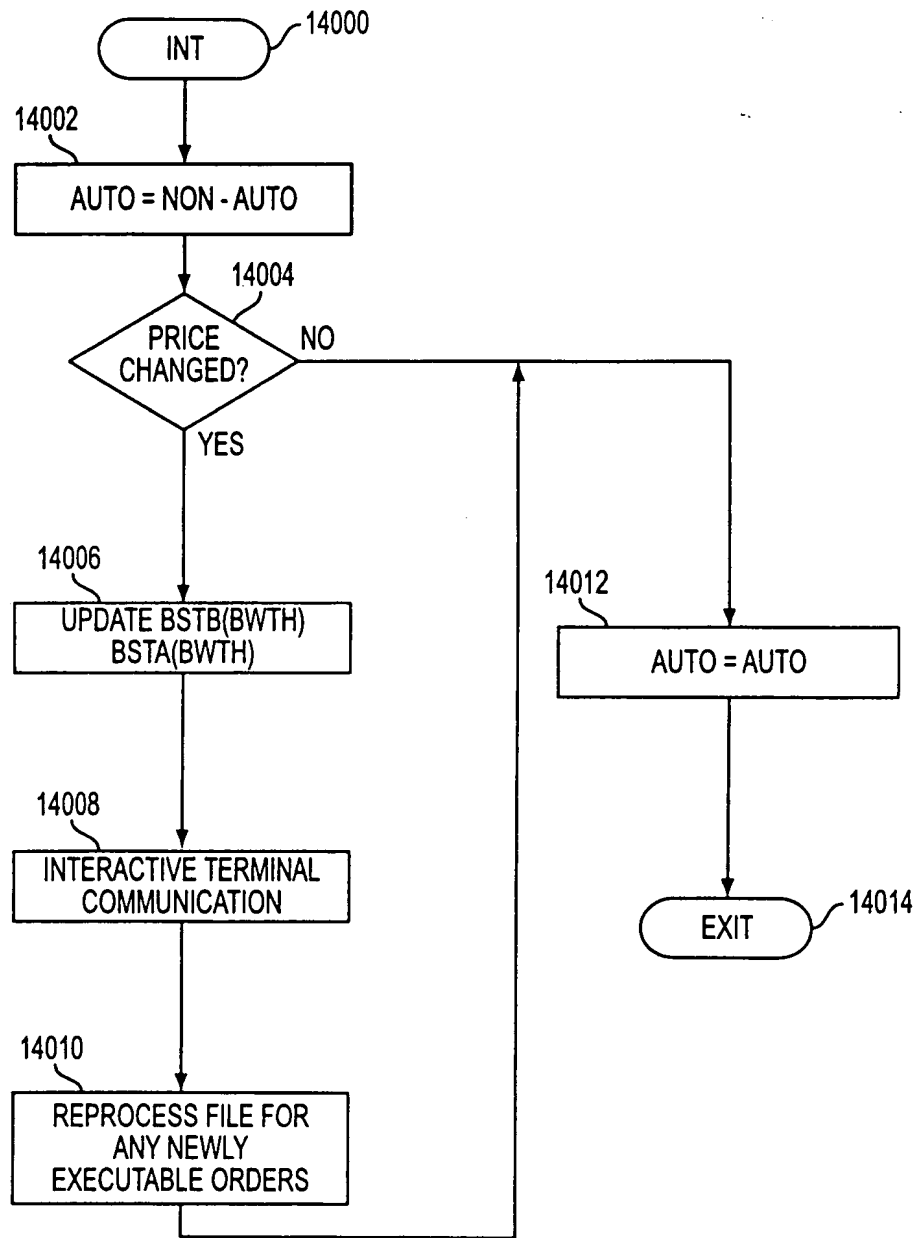


FIG. 140

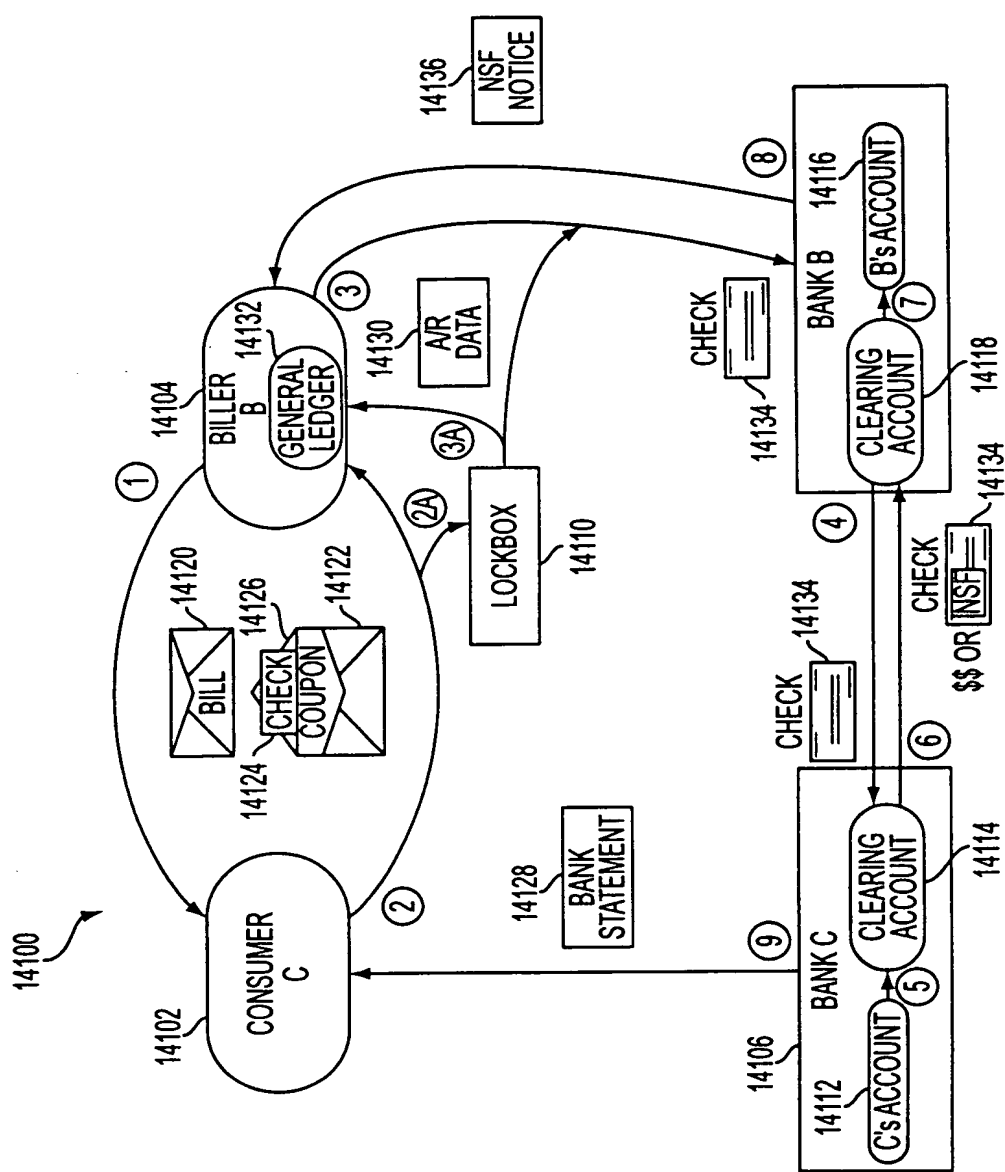


FIG. 141



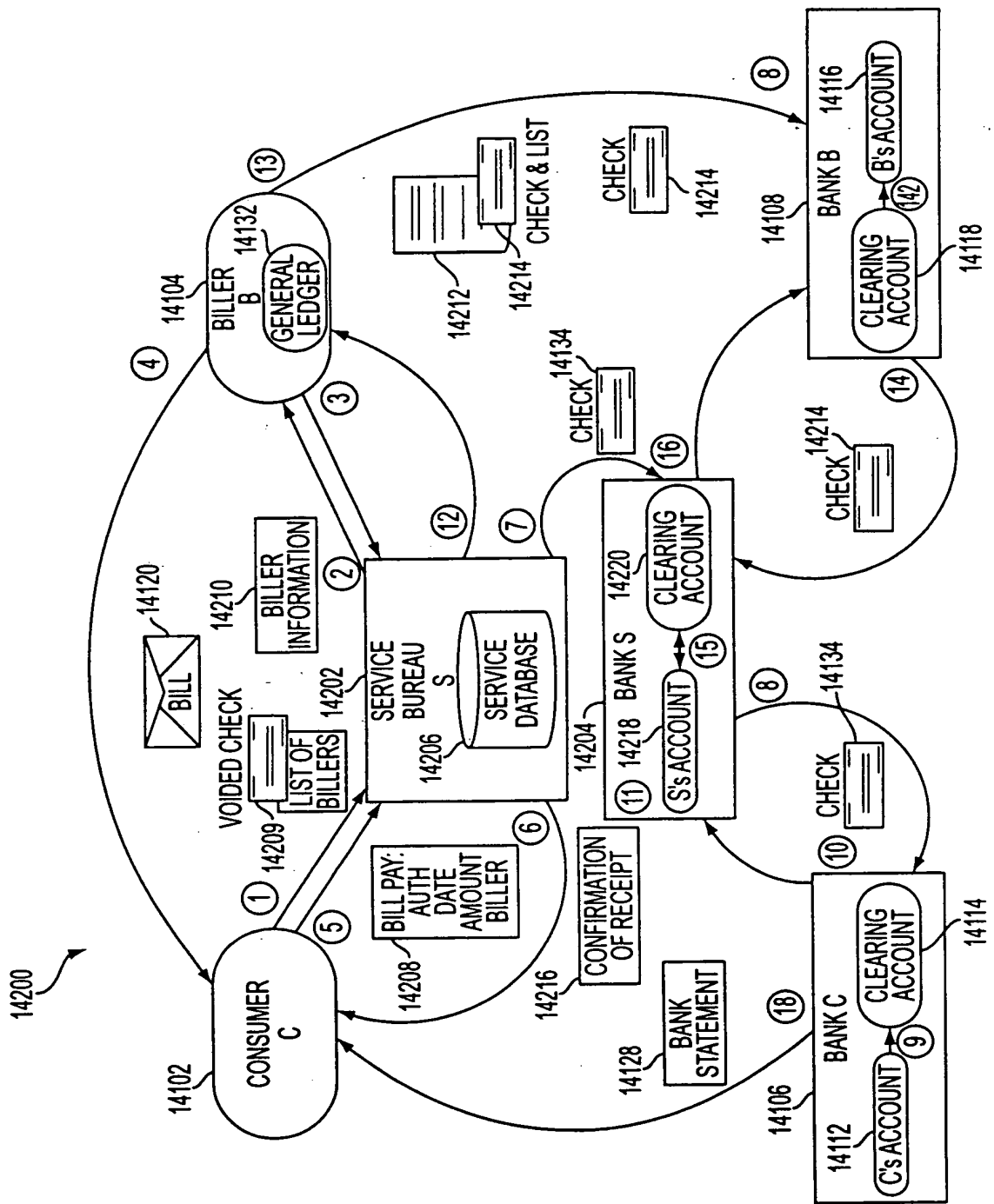


FIG. 142

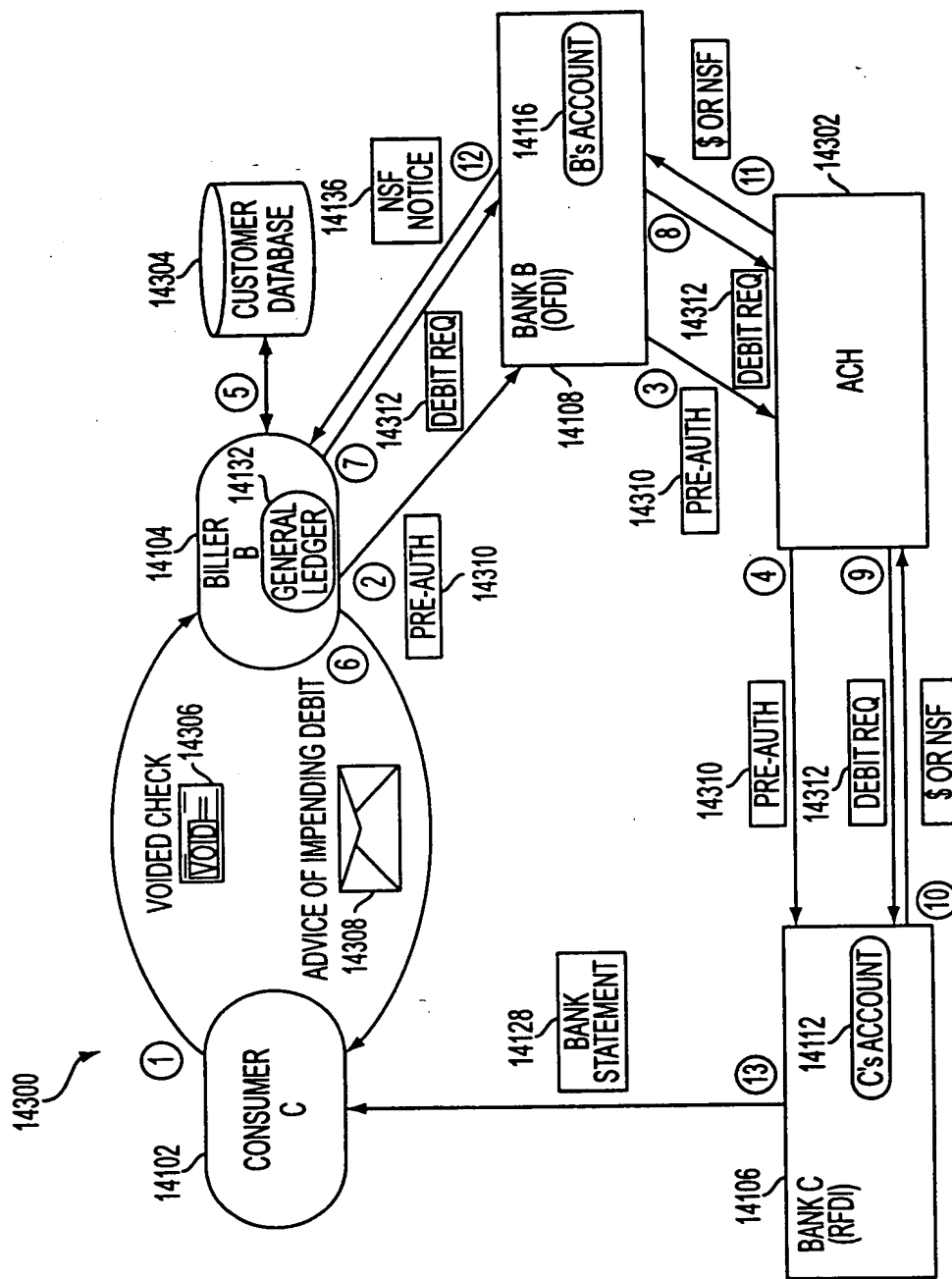


FIG. 143